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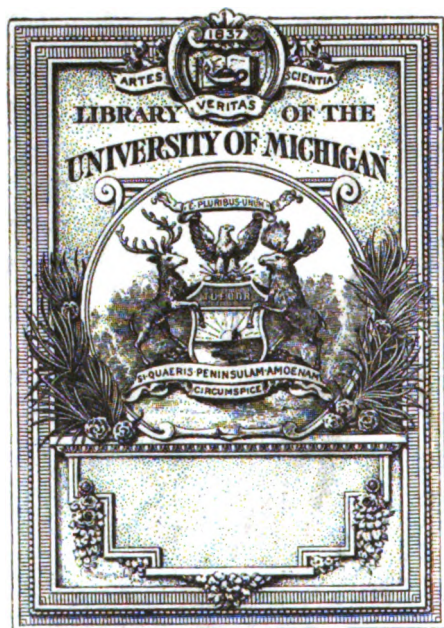
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ANNUAL REPORTS  
OF THE  
CITY OF DETROIT,  
1878.

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COMPILED BY ORDER OF THE COMMON COUNCIL.

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DETROIT:  
E. B. SMITH & CO., Binders.  
1878.



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# THE MAYOR'S MESSAGE.

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MAYOR'S OFFICE,  
DETROIT, January 8, 1878.

*Gentlemen of the Common Council:*

As an ordinary business man you will not expect an eloquent inaugural from me.

It being the custom of his Honor, the retiring Mayor, to present to you the statistics connected with, and relating to the different bureaus of the city, I have no remarks to make in regard to them, nor do I intend to detain you long on other matters.

I do not propose to foreshadow (with one or two exceptions) my line of action during my administration. Should I do so, I might fail in some particular part, as stated, and be liable to censure. I expect the latter in any event, and am prepared to receive it as part of the programme, since I have, by circumstances which I could not control, been called from the life of a private citizen to that of a public servant during a portion of each week day during the next two years, Providence permitting.

What I may say in connection with this I do not propose to advance, as dictatorial in any sense, but said for our future consideration.

## OUR PUBLIC SCHOOLS.

Our system is unsurpassed. In saying so much, I cannot but speak well for its management. The pupils would do credit to any school. The teachers seem earnest, zealous, and qualified for their positions, and I only reiterate their almost unanimous expression, "The parents of our children and our business men should visit our schools oftener." Whether we should erect any more school buildings during the next

three years, and whether the Board of Education should consist of less members, elected or appointed, are points, in my mind, worthy of consideration.

In my opinion the school property, buildings and repairs, should be under the control of the Board of Public Works.

#### THE WATER COMMISSION,

consisting as it does of some of our most reputable citizens (though they may have their own peculiarities, and who has not?), should command, as I am sure they do, the confidence, as well as the thanks, of the people generally, for their untiring energy and unselfish devotion of their valuable time, without recompense, in planning and successfully establishing the best regulated system of supplying pure water, not only to private families, but for our fire department.

This Board, and our Board of Public Works, should be a unit on all matters connected with each other. Iron pipes have in some instances been laid in anticipation of paving certain streets; the paving of those streets has subsequently been deferred, and others ordered paved, thus necessitating the useless expenditure of money for pipe, and burdening the city with paying needless interest. In future such mistakes should be avoided. As regards the

#### BOARD OF PUBLIC WORKS,

You are as conversant with the management and efficiency of the Board of Public Works as I am. It occurs to me it would be well to require all persons who propose to make connections, or dig up our streets, to obtain from this Board a permit, not excepting gas companies and the Water Board. The latter to put all on equal basis, and to restrain them from leaving excavations, pipes, and piles of dirt on more than one block at any one time. Numerous complaints have heretofore been made on this subject. It is an injustice to business houses and private residences, and the power to stop such a nuisance (you can call it nothing else) should be vested somewhere. Property owners should be obliged to make all connections, or pay for them when made by the city, and no pavement should be laid until such connections are made; and, when laid, should not be broken into except for repairs of bursted or leaky pipes.

## THE FIRE DEPARTMENT

needs no commendation at my hands. I should be derelict in my own feelings, however, did I not say that upon invitation of the president and commissioners, extended to his Honor Mayor Lewis, the council and myself, we inspected the whole property of the city invested in that department. To express myself candidly, I must say that I was ashamed that as a citizen and tax payer I did not know more about it, and I would impress upon the minds of the tax payers of the city the necessity of their knowing thoroughly what they have in this department, and how competently managed. They will then be better posted as to its necessitous expenses.

## THE POLICE DEPARTMENT.

with the means at its command, and the number of men on duty, is undoubtedly as efficient as could be expected.

The system adopted by the commissioners, with the aid of their chief and secretary, is admirable. I am unable to see where it could be improved upon.

It may be advisable ere long to erect a central building in which can be located the offices of the department, as also a more suitable lock-up.

Should not the city of Detroit appoint her own commissioners, regardless of State officers? In my judgment two-thirds of the corruption and public debt of the city of New York emanated through the control by the State of its municipal affairs, and by lobbyists at the State capital. If permitted in our Police Department, how soon may we expect it in all others? It need not necessarily become a political machine (as has been advanced) any more than our Fire Department, Water Board, or Board of Public Works. As to

## THE HOUSE OF CORRECTION,

I am not prepared to make many suggestions. The reputation of the gentlemen composing the commission is such that if they give it the attention they give to their private business they will make it a success in every particular.

It has been suggested by some who are eminently able to judge, that the system of keeping and examining accounts might be improved upon.

I would suggest that an inventory be taken each year of the *actual* value of all the property connected with the House of Correction, and not at the *cost* price; and that the commissioners or inspectors be empowered to appoint a person to assist the superintendent in the work. In my judgment, at least one-half or two-thirds of the criminals and vagrants sent here from all parts of the State (while, perhaps, they help to pay the expenses of the institution), when their term expires go no farther from Detroit than the junctions of our railroads and then sneak back into the city. The depredations they commit, the expense of watching them, and the aid they receive from private, as well as public charity, is a larger bill of expense than their labor and board is profit to the House of Correction.

#### THE CITY POOR.

There should be co-operation in the distribution of our charities, both public and private. There should be some central office where the names of all those to whom charity is given should be entered, so that charities could not be duplicated on the one hand, and worthy objects of charity left unprovided for on the other.

Would it not be well that the Poormaster be empowered to contract for supplies at wholesale prices with responsible parties, or advertise for bids and establish a store room suitable for the purpose, the Poormaster to draw his order on the store room when necessary, instead of as now, on so many different stores? In my judgment, from twenty-five to forty per cent could be in that manner saved to the city, and possibly as great a saving to the poor in the quality and quantity obtained on such orders.

The well-known reputation of the gentlemen who are about to inaugurate a system of centralization of charities, and others interested with them, is a guarantee of success, and they have my best wishes in the undertaking. They must also have the indorsement of the council and their fellow-citizens.

## PUBLIC MARKET.

The people have expressed their views at the ballot-box.

It is a question for serious thought, whether it would be deemed advisable to invest one hundred thousand dollars in erecting a public market at this or any future time. There is no question, however, about the necessity of the city ascertaining at once its right and title to use the land in question for market or any other purposes deemed advisable. Should proposals be made by responsible parties to furnish the land in a suitable location, and erect thereon proper market buildings, under satisfactory police and sanitary restrictions, it might be economy to entertain them. As a private enterprise it undoubtedly would be a success. It should be as a public investment. You are as good judges as myself whether such enterprises, managed by the public, are as profitable as though managed by private parties. One hundred thousand dollars invested in a public market, raised by the issue of twenty year seven per cent bonds, would cost the city, at the maturity of the bonds, one hundred and seventy-three thousand five hundred dollars (\$173,500) on a basis of paying five thousand dollars (\$5,000) and interest annually.

Our City Hall, which cost originally \$600,000, raised by the issue of twenty year bonds at seven per cent, stands charged, January 1st, 1878, \$982,100, and at the maturity of the bonds will have cost \$1,440,000. Out of these amounts we should allow for the use of the building. It was a public necessity that it should be built. Whether the manner in which the money was raised was proper is not for me to say.

## TAXES.

The Board of Estimates meet once in each year to decide upon the amount of money recommended by the council to defray the expenses of the city for that year.

Some are incredulous as to the necessity for the amount being so large, on account of balances standing to the credit of the several funds. For instance:

The sinking fund has uncollected.....	\$2,656 64
Interest fund has uncollected.....	27,523 51
General fund has uncollected.....	42,441 59



City poor fund has uncollected.....	\$8,342 39
Public sewer fund has uncollected.....	18,708 03
General sewer fund has uncollected.....	7,413 31
Public building fund has uncollected.....	1,108 63
General road fund has uncollected.....	25,684 29
Road district fund, from No. 1 to No. 13, inclusive.....	13,246 72

---

Total ..... \$147,120 11

City bills uncollected from 1846 to 1870, estimated (and considered low), as I have been unable to get the exact figures.....	\$12,000 00
For 1871.....	2,141 70
For 1872.....	2,589 07
For 1873.....	4,890 04
For 1874.....	7,649 84
For 1875.....	15,770 04
For 1876.....	24,283 60

---

Or a total of..... \$69,324 29

And nearly doubled each year from 1871 to 1876, and only \$573.90 more uncollected in 1877 than in 1876, which I hope may be considered a permanent and favorable change. Why should such a state of things exist? As well might a merchant or a bank inventory a lot of worthless accounts.

The uncollected taxes for the year 1877 amount to.....	\$191,427 02
The amount due the city, on city bids for paving streets, lateral sewers and plank walks for the same time...	24,857 50

---

Or a total for 1877 of..... \$216,284 52

A large portion of this will probably be collected.

Why should they not be collected, or be carried (commercially speaking) to a suspense account or wiped out entirely? I coincide with the views of my honorable predecessor, that tax receipts should not only show the amount of tax, but the assessed valuation from which the tax is made up.

## COBBLE STONES

to some may seem a small matter to refer to at this time. I have thought of the disposition that has been made of them for some years, and find it hard to digest. It seems bad policy for the city to trade them off for an inch or two of sand, and then buy them back at ten cents apiece. Why not pile them up on the city's property, and when streets or alleys need to be paved with stone we would have the stone to sell the contractors, instead *vice versa*, as now?

## SALARIED OFFICERS.

It has occurred to me that all the city officers should be salaried, including keepers of hay scales, wood yards and pounds. If then there are any receipts over the amount necessary for salaries, they should go towards paying the expenses of the city.

## CITY ACCOUNTANT.

We have had demonstrated to us very clearly the necessity of having some one whose duty it shall be to examine into all the city accounts, more particularly the offices of trust; and that person should, once in three months, at least, make a full report, under oath, of the correctness of such accounts, to the Mayor and Controller. I most earnestly desire that this matter may be attended to at once.

## GAS.

I feel it incumbent upon myself to say, that in my official capacity I shall not consider it my duty, or at all proper that I should use the influence of the office in the litigation now pending to any greater extent than I should as private citizen, having no personal motives at all. But feeling most profoundly that the citizens of Detroit have some rights which should be respected, and that they are entitled to be treated with ordinary business courtesy, at least; and if their officers have made any contracts with a gas or any other company or contractors, and said gas or other company or contractors do not propose to carry out their contracts to the very letter and spirit of said con-

tracts, it is the duty of the representatives of the city to proceed against them in a legal manner, and enforce said contracts.

If the people are not willing to pay the bills which must necessarily be incurred in protecting, not only their financial rights as property owners, but their moral rights as citizens, with manhood, energy and spirit sufficient to resent gross impudence and insult, not alone to business men, but to their wives and daughters, they must then continue to submit to the abuse, and have it turned on still stronger. But in that case they have no right to find fault with their representatives for not protecting them from such outrages.

In my judgment the creating of a gas commission would be productive of general good, as matters such as above referred to would come before them.

#### EXPENSES.

In regard to the expenses of the city during our administration, they will, as a matter of necessity, depend a good deal on circumstances.

I propose, with your assistance, to make it, so far as it is in my power, as economical as possible, and, unless absolutely necessary, that the public debt should not be increased one dollar.

Our promises to pay command a premium.

Our city ranks everywhere as among the most prompt to meet its obligations.

We are known as a careful, conservative people, not given to any high pressure investments; but a careful investigation and mature consideration before promising or issuing our promises to pay. I am opposed to the issuing of such promises. I would like to pay as we go, or stop.

Let us endeavor, by our careful management of the people's interests and well being, not to detract from, but, if possible, add to that most enviable reputation a city can attain.

#### OATH OF OFFICE.

In taking the oath of office of chief magistrate of our beautiful city, I appreciate the honors of the office, the duties and responsibilities I assume, the annoyances (some of them unnecessary, I think) pertaining to the office of Mayor.

As to the first, I shall endeavor to retain for it its high standard.

I cannot expect to raise it above that in which my honorable predecessor leaves it.

The second I shall discharge to the best of my judgment and ability, having at all times nothing but the interest and welfare of the city and the people at large in view.

The third I shall endeavor to do away with entirely, with courtesy, if possible, but to do away with them. I make this statement with all due respect to you, and that it may from this time be understood by parties having no business at the Mayor's office pertaining to city affairs and its government, that they will not be permitted to occupy time which by right and necessity belongs entirely to the city.

I shall be at the Mayor's office each week day, Providence permitting, from 11 A. M. to 12 o'clock, at which time I shall deem it my duty, as well as my pleasure to attend to the duties pertaining to the office. I shall not consider it my duty to entertain any city business at my place of business, or at my residence, and shall most certainly decline to do so. I shall, however, gentlemen, be pleased to see you, socially, at either place. My opinions may sometimes differ from yours; it would be strange if they did not. If I am wrong, you will always find me open to conviction, and none will yield more readily than I.

In conclusion, gentlemen, allow me to express a most earnest desire, on my part, that during our official intercourse the utmost harmony and good feeling may prevail, and as we all have only one interest at heart, we may all unite together for common good.

Very respectfully,

GEO. C. LANGDON,

*Mayor.*









ANNUAL REPORT.  
OF THE  
CONTROLLER  
OF THE  
CITY OF DETROIT,

OF THE  
RECEIPTS AND EXPENDITURES OF THE CORPORATION.

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FISCAL YEAR ENDING JANUARY 31, 1878.

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DETROIT:  
FREE PRESS BOOK AND JOB PRINTING HOUSE.  
1878.



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# LIST OF CITY OFFICERS

FOR THE YEAR 1878.

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## GEO. C. LANGDON, MAYOR.

LOUIS DILLMANN, City Clerk . . . . .	Office City Hall
H. P. BRIDGE, City Controller . . . . .	Office City Hall
FRED. A. BAKER, City Counselor . . . . .	Office City Hall
WM. C. MAYBURY, City Attorney . . . . .	Office City Hall
WILLIAM PARKINSON, City Treasurer . . . . .	Office City Hall
ROBERT E. ROBERTS, Receiver of Taxes . . . . .	Office City Hall
GEORGE W. GILBERT, City Assessor . . . . .	Office City Hall
WALTER V. KIES, Director of the Poor . . . . .	Office City Hall
JACOB YOUNGBLOOD, City Collector . . . . .	Office City Hall
VALENTINE GEIST, City Sexton . . . . .	Office City Hall
MICHAEL QUINN, Gas Inspector . . . . .	Office City Hall
ROBERT MASON, Clerk of the Market . . . . .	Office City Hall
M. P. THATCHER, Clerk in Mayor's Office . . . . .	Office City Hall
EUGENE MCMAHON, Engineer of City Hall . . . . .	Office City Hall
JAMES TIERNAY, Janitor of City Hall . . . . .	Office City Hall

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## COMMON COUNCIL.

PRESIDENT—Thomas D. Hawley.  
 PRESIDENT *pro tem.*—James D. Weir.  
 CLERK—Louis Dillmann.

### ALDERMEN.

First Ward—Thomas D. Hawley. George A. Foster.	Sixth Ward—Stephen K. Taft. James B. Lauder.
Second Ward—John Schmitt. Charles Ewers.	Seventh Ward—John C. Jacob, Charles Rousseau.
Third Ward—Joseph A. Kurtz. Thomas Jackson.	Eighth Ward—John Monaghan, Daniel Guiney.
Fourth Ward—Abel R. Torrey, James I. Mitchell.	Ninth Ward—Joseph B. Moore, Michael Haller.
Fifth Ward—Seymour Finney, Francis G. Russell.	Tenth Ward—James D. Weir, George W. Herrick.
	Eleventh Ward—Nicholas Senninger. John B. Ryan.
	Twelfth Ward—George Dorr, Henry Gross.
	Thirteenth Ward—Bernard Youngblood. Simon C. Karrer.

## STANDING COMMITTEES.

WAYS AND MEANS—Ald. Monaghan, Gross, Taft.

JUDICIARY—Ald. Weir, Torry, Russell.

CLAIMS AND ACCOUNTS—Ald. Schmitt, Guiney, Finney.

STREETS—Ald. Haller, Jackson, Mitchell.

FIRE LIMITS—Ald. Karrer, Kurtz, Russell.

HOUSE OF CORRECTION—Ald. Youngblood, Guiney, Ryan.

PUBLIC BUILDINGS—Ald. Guiney, Herrick, Finney.

SEWERS—Ald. Karrer, Herrick, Dorr.

TAXES—Ald. Senninger, Monaghan, Kurtz.

STREET OPENINGS—Ald. Jackson, Gross, Mitchell.

PRINTING—Ald. Rousseau, Schmitt, Moore.

MARKETS—Ald. Gross, Lauder, Ewers.

GAS LIGHTS—Ald. Herrick, Haller, Foster.

PARKS—Ald. Jackson, Foster, Ryan.

HEALTH—Ald. Finney, Ewers, Karrer.

ORDINANCES—Ald. Weir, Rousseau, Moore.

POUNDS—Ald. Dorr, Weir, Taft.

LICENSES—Ald. Senninger, Haller, Jacob.

CITY HOSPITAL—Ald. Torry, Schmitt, Jacob.

LIQUOR BONDS—Ald. Lauder, Youngblood, Dorr.

BOARD OF COMMISSIONERS OF SINK-  
ING FUND.

Geo. C. Langdon, Mayor.

H. P. Bridge, Controller.

William Parkinson, Treasurer.

Ald. Monaghan, Gross, Taft.

## COMMITTEE ON LOANS.

Geo. C. Langdon, Mayor.

H. P. Bridge, Controller.

Ald. Monaghan, Chairman Committee Ways and Means.

## METROPOLITAN POLICE.

## COMMISSIONERS.

Sidney D. Miller, James E. Pittman,

M. S. Smith, Horace M. Dean.

PRESIDENT—Sidney D. Miller.

SECRETARY AND LICENSE COLLECTOR—L. R. Meserve.

SUPERINTENDENT—A. J. Rogers.

CAPTAINS—C. C. Starkweather, P. N. Girardin, W. H. Myler.

## BOARD OF EDUCATION.

PRESIDENT—F. Norvell.

SECRETARY—Sam'l E. Pittman.

TREASURER—Albert Ives.

SUPERINTENDENT OF SCHOOLS—J. M. B. Sill.

## SCHOOL INSPECTORS.

First Ward—Alfred Chesebrough,  
Alvin E. Burt.

Second Ward—Andrew Borrowman,  
Richard DoRan.

Third Ward—Horatio G. Jones,  
Philip J. D. Van Dyke.

Fourth Ward—Joseph Funke,  
John S. Schmittiel.

Fifth Ward—A. J. Brow,  
John J. Speed.

Sixth Ward—C. A. Kent,  
Adam E. Bloom.

Seventh Ward—Freeman Norvell,  
Robert E. Roberts.

Eighth Ward—John Conzidine,  
Michael Firnane.

Ninth Ward—John Dick,  
Joseph Nicholson.

Tenth Ward—Wm. N. Ladue,  
James O'Neil.

Eleventh Ward—Adam Simpson,  
Herman Reif.

Twelfth Ward—F. Folsom,  
Sylvester Larned.

Thirteenth Ward—A. Valentine,  
C. K. Trombly.

## BOARD OF HEALTH.

PRESIDENT—Dr. Elisha Leach.

SECRETARY—Louis Dillmann.

## MEMBERS.

Ald. Hawley.	Ald. Jacob.
Ald. Schmitt.	Ald. Monaghan.
Ald. Kurtz.	Ald. Moore.
Ald. Torry.	Ald. Weir.
Ald. Finney.	Ald. Senninger.
Ald. Taft.	Ald. Dorr.

Ald. Youngblood,	
Dr. Elisha Leach,	Dr. Edward Lighty.
Dr. Augustus Kaiser,	Dr. H. A. Torry.
Commissioner,	Sidney D. Miller.

## BOARD OF WATER COMMISSIONERS.

Chauncey Hurlbut.	Jacob S. Farrand,
John Owen.	Samuel F. Hodge
	Michael Martz.

PRESIDENT—Chauncey Hurlbut.

SECRETARY—Henry Starkey.

CHIEF ENGINEER—D. Farrand Henry.

## BOARD OF ESTIMATES.

First Ward—Charles B. Hebbard,  
R. W. Gillett.

Second Ward—T. N. Birmingham,  
William K. Coyl.

Third Ward—William R. Candler,  
Patrick Herlihy.

# LIST OF CITY OFFICERS.

7

Fourth Ward—Morse Stewart.  
 Theo. Romeyn.  
 Fifth Ward—Robt. W. King,  
 Alvah E. Leavitt.  
 Sixth Ward—Dexter M. Ferry,  
 Henry L. Kanter.  
 Seventh Ward—Michael Martz,  
 Adam Schehr.  
 Eighth Ward—Jeremiah Connor,  
 Michael F. Hogan.  
 Ninth Ward—Clement Lafferty,  
 Geo. C. Langdon.  
 Tenth Ward—George Hendrie,  
 John B. Gravier.  
 Eleventh Ward—Mathias Deiderich,  
 Wm. L. Streeter.  
 Twelfth Ward—Mathias Steyskel,  
 Thomas Densham.  
 Thirteenth Ward—Frank Wittman,  
 John Japes.

## AT LARGE.

Merrill I. Mills, Anton Pulte,  
 William B. Moran, John Atkinson,  
 John A. Dudgeon.

## EX-OFFICIO.

Thomas D. Hawley, John Monaghan,  
 Fred A. Baker, Freeman Norvell,  
 H. P. Bridge, Chauncey Hurlbut,  
 Sidney D. Miller, Francis Palms,  
 William Purcell.

## BOARD OF FIRE COMMISSIONERS.

Peter Henkel, L. H. Cobb,  
 Benj. Vernor, Jerome Croul.

PRESIDENT—Benj. Vernor.  
 VICE PRESIDENT—L. H. Cobb.  
 SECRETARY—Fred'k H. Seymour.  
 CHIEF ENGINEER—James Battle.  
 ASSISTANT CHIEF ENGINEER—James R.  
 Elliott.

## BOARD OF PUBLIC WORKS.

Alexander Chapoton, William Purcell,  
 Frederick Ruehle.  
 PRESIDENT—William Purcell.  
 SECRETARY—John Campbell.  
 ENGINEER—Henry D. Ludden.

## BOARD OF REVIEW.

A. A. Rabineau, Alanson Sheley,  
 Wm. A. Butler.

## HOUSE OF CORRECTION.

### INSPECTORS.

Francis Palms, William Foxen,  
 William C. Colburn, Geo. C. Langdon.

PRESIDENT—Francis Palms.  
 SUPERINTENDENT—M. V. Borgman.

## RECORDER'S COURT.

RECORDER—George S. Swift.  
 CLERK—Geo. H. Leshel.  
 DEPUTY CLERK—Chas. R. Baggs.

## SUPERIOR COURT.

JUDGE—Lyman Cochrane.  
 CLERK—Walter S. Harsha.  
 DEPUTY CLERK—George F. Robison.

## POLICE COURT.

POLICE JUSTICE—John Miner.  
 ASSISTANT POLICE JUSTICE—Peter Guenther.  
 CLERK OF COURT—James Daly.

## WEIGH MASTERS.

Eastern District—Peter Dunn.  
 Western District—Timothy Mahoney.

## POUND KEEPERS.

Eastern District—E. W. Pindar.  
 Western District—James Riley.

## WOOD INSPECTORS.

Eastern District—Joseph Muir.  
 Western District—Peter Zens.

## INSPECTORS OF CHIMNEYS.

Eastern District—Joseph Diedrichs.  
 Western District—Thomas Farrel.

## COLLECTORS.

First Ward—Phillip Ross.  
 Second Ward—Louis P. Desnoyers.  
 Third Ward—Martin Fox.  
 Fourth Ward—Nicholas Kummer.  
 Fifth Ward—George W. Owen.  
 Sixth Ward—William H. Connor.  
 Seventh Ward—George L. R. Steckel.  
 Eighth Ward—Patrick Madigan.  
 Ninth Ward—Mathias Embach.  
 Tenth Ward—Peter Van Damme.  
 Eleventh Ward—Joseph Kohn.  
 Twelfth Ward—Joseph Culnan.  
 Thirteenth Ward—Frank H. Ellair.

## CONSTABLES.

First Ward—Henry Herzog.  
 Second Ward—Thomas Hubert.  
 Third Ward—John A. Wilkie.  
 Fourth Ward—John Gnau.  
 Fifth Ward—Wm. W. Witherspoon.  
 Sixth Ward—George Goldsmith.  
 Seventh Ward—Nicholas Tisler.  
 Eighth Ward—Martin J. Dunn.  
 Ninth Ward—William J. Giddy.  
 Tenth Ward—Byron D. Holton.  
 Eleventh Ward—Frank Guyotte.  
 Twelfth Ward—Orrin H. Butterfield.  
 Thirteenth Ward—William Guyotte.

## CITY PHYSICIANS.

First District—Dr. A. F. Hoke.  
 Second District—Dr. John Georg.  
 Third District—Dr. Augustus Kaiser.  
 Fourth District—Dr. Wm. A. McDonald.  
 Fifth District—Dr. Albert G. Bissell.  
 Sixth District—Dr. Edward Lichty.



# ANNUAL REPORT

OF

# THE CONTROLLER

OF THE

## CITY OF DETROIT.

CONTROLLER'S OFFICE,  
CITY HALL, February 15th, 1878. }

*To the Honorable the Common Council:*

GENTLEMEN—In compliance with the City Charter I herewith respectfully submit my first annual report of this office, exhibiting the condition of the various funds, with complete tabular statements of all the receipts and disbursements during the fiscal year ending January 31st, 1878.

The cash in the Treasury January 31, 1877, was .....	\$177,358 21
Received during the year.....	1,526,688 77
Total .....	<u>\$1,704,046 98</u>
Disbursements during the year .....	1,480,178 98
Balance in Treasury January 31, 1878.....	<u>\$273,878 05</u>

The financial affairs of the city continue in a healthy condition, and with the present system strictly adhered to, of providing the sinking fund additional means annually for the liquidation of the outstanding bonded indebtedness of the city; a strict observance of economy and a

firm refusal of any call for the issue of new and additional bonds except in extreme cases, we may reasonably look for ample provisions for the retirement of all the outstanding indebtedness of the corporation on or before maturity without any additional taxation than that already provided for such purpose.

Our city has been proverbial for its promptness in paying its indebtedness, and this fact, together with the well-known conservativeness of its people, has placed our credit among the most favored, and offers the most attractive inducements for the investment of capital, and should admonish us not to lay aside or swerve from the sound policy of the present.

#### ISSUE AND PAYMENT OF BONDS.

During the year just closed no bonds have fallen due. Of the public sewer loan, authorized by an act of the Legislature, approved February 18, 1875, there have been issued, under the authority of your honorable body and the Board of Estimates, bonds to the amount of eighty thousand dollars (\$80,000). Of these bonds, forty thousand dollars (\$40,000) were at the rate of seven per cent per annum interest, and were taken by the commissioners of the sinking fund for the benefit of that fund, and the balance, forty thousand dollars (\$40,000), were sold at a competitive sale to Messrs. Brewster, Bassett & Co., of Boston, Mass., at a premium of 6 57-100 per cent. This premium is the highest yet realized by the city in the sale of bonds, and is therefore worthy of note. This issue, together with that of 1875, makes a total of one hundred and eighty thousand (\$180,000) dollars of the three hundred thousand (\$300,000) dollars authorized by this act. It is presumed, however, that no further issue will be required for this purpose, and there will be no necessity, at least for some years, if at all, to avail ourselves of the extreme limit of the authority of this act. The avails of five public sewer bonds, of the issue of 1873, to the amount of twenty-five hundred dollars were also received into the treasury during the past year.

During the fiscal year on which we have just entered, redemption bonds, issued April 1st, 1858, to retire an issue of 1838, to the amount of fifty thousand dollars, fall due on the first day of April. Street paving bonds to the amount of \$54,110.59 have been issued to con-

tractors for paving streets during the past year. These bonds, being a lien on the property benefited, are not considered a part of the debt proper of the city. Of this class of bonds issued in 1874-5-6, \$128,754.94 have been presented and paid. During the present fiscal year \$106,399.68 of the same issue of 1875-6-7 mature, the payment of which is provided for by the assessment rolls and pre-payments into the treasury on parts 2, 3 and 4.

#### THE DEBT OF THE CITY.

The entire bonded debt (except the debt of the Water Commissioners) was, February 1, 1877.....	\$1,179,900 00
Additional Public Sewer Bonds issued.....	82,500 00
Total bonded debt of the City, February 1, 1878.....	<u>\$1,262,400 00</u>

#### THE INDEBTEDNESS AS STATED IS CLASSIFIED AS FOLLOWS:

Berthelet Market Bonds (past due and probably lost).....	\$400 00
Redemption Bonds (past due)....	2,000 00
Redemption Bonds .....	80,000 00
House of Correction Bonds.....	100,000 00
City Hall Bonds.....	600,000 00
Public Sewer Bonds.....	480,000 00
Total .....	<u>\$1,262,400 00</u>

#### MEANS ON HAND FOR PAYING THE DEBT.

Cash in charge of Commissioners of the Sinking Fund.....	\$146,976 81
Redemption Bonds.....	\$1,000 00
House of Correction Bonds.....	40,000 00
Public Sewer Bonds.....	140,000 00
Street Paving Bonds .....	36,780 55
	217,780 55
Notes of H. P. Bridge, Controller, for use of several funds, being temporary loans.....	20,100 00
Total Redemption means February 1, 1878.....	<u>\$384,856 86</u>
Total Redemption means February 1, 1877.....	299,400 38
Increase of means over last year.....	\$85,456 48
Increase of debt over last year.....	82,500 00
Net decrease of debt.....	<u>\$2,956 48</u>



## NET DEBT OF THE CITY.

Bonds issued.....	\$1,262,400 00
Less means on hand for paying same.....	384,856 86
Net debt .....	<u>\$877,543 14</u>

## TOTAL DEBT OF THE CITY, INCLUDING WATER BONDS.

Bonds issued by the City....	\$1,262,400 00
Bonds issued by the Water Board.....	1,501,000 00
	<u>\$2,763,400 00</u>

For the particulars of the debt of the Water Board and their resources in sinking fund, I respectfully refer to the annual report of that Board.

## THE FISCAL YEAR.

The City Charter makes it the duty of the Treasurer to transfer to the sinking fund at the close of each fiscal year, all balances of the several funds, excepting the public building and the district road funds. This provision of the Charter cannot be complied with. The present fiscal year closes on the 31st day of January. As the Board of Estimates cannot be convened until the month of March to consider the estimates for the year, the annual appropriations cannot be made available much before the 1st of April. Should, therefore, the balance of these several funds be transferred to the sinking fund on the last day of January, as the Charter provides, these funds would be without a dollar to meet demands on them during the months of February and March. If, however, a change could be made so that the fiscal year should commence on the first day of July and terminate on the 30th of June, thus making the fiscal and financial year identical, the revenue from the annual tax levy, commencing, as it does, on the first of July, would become available, and ample means be provided for carrying on the expenses of the City Government, thus enabling the City Treasurer to transfer these several balances to the credit of the sinking fund and the mandatory provision of the Charter in this respect be complied with.

## THE SINKING FUND.

The sinking fund is deriving a handsome revenue from its investments and from other sources, and it is a question whether a repeal of that section of the charter, requiring the transfer of certain balances to this fund, would not be desirable.

It is more than probable that this fund, with its present income from investments and other sources, its annual appropriation fixed by law, together with such incidental items as do not belong to established funds, would be found ample to liquidate the outstanding indebtedness of the city before the same matures, and such balances as remain at the expiration of the fiscal year could be taken into consideration in the making of estimates for the succeeding year, thus, possibly, relieving our citizen taxpayers of unnecessary taxation.

The limit in the Charter forbidding the Commissioners of the sinking fund from purchasing securities bearing a less interest than seven per cent per annum, operates against the best interests of this fund, and should be changed. There are no first class securities to be found in the market bearing so high a rate of interest which can be purchased at par. This Charter limitation prevented the purchase last year of the \$40,000 public sewer bonds issued by the city, because the interest was at six per cent per annum. The Commissioners find themselves forced to leave their ready cash, amounting now to \$146,976.31, with the city depository, drawing an interest of but three per cent per annum.

## CONTINGENT FUND.

This fund was created for the purpose of defraying the contingent expense of the city, which I understand to mean such expenses and claims as cannot be foreseen, and therefore are not provided for in the annual estimates. That there has been too liberal a construction put upon this clause of the Charter is manifest from the fact that about \$24,000 was drawn from this fund during the last fiscal year for the payment of Aldermen and the Board of Health, under the authority of an ordinance of 1872; large amounts paid to parties for property and clothing destroyed on account of exposure to small-pox; refunding

taxes; damages occasioned by defective sidewalks and various other ways, some of which, to say the least, are of doubtful legality, and ought to have been severely scrutinized before being authorized to be paid. One of the claims, recovered in the United States Court, was in favor of Mrs. Janette C. Smith, and of \$4,500 and costs, as damages for the loss of a limb, which she claimed was occasioned by a fall on a defective sidewalk. The city had to pay this judgment, as there was no way to avoid it, whether it was a just or unjust one. I am reliably informed that Mrs. Smith had been treated at Harper Hospital for a disease of long standing in the limb she finally lost, some time before the accident on the sidewalk occurred, and it is more than probable the loss of the limb may be fairly traced to the disease, and not to the defective walk. Some legislation should be had to protect the city against claims for damages.

#### REFUNDING TAXES.

The refunding of taxes appears to be a growing evil and a source of much complaint. In many instances those who pay their taxes without complaint could make as strong a case of grievance as that of those who petition your honorable body to have their taxes refunded, and who have, in my opinion, too often succeeded in having the prayer of their petition granted.

It seems to me that after a tax has been paid, that should be the end of the matter, unless it can be clearly proven there has been some culpability on the part of city officials, and that the party seeking relief had not failed to appear before the Board of Review to have his grievance adjusted and been refused.

All taxpayers have not only the privilege but they are publicly invited to appear before the Board of Review; then and there is the time and place to right all wrongs pertaining to taxes.

In conclusion, I desire to express my appreciation of the uniform courtesy extended to me by the members of your honorable body, and the city officers generally.

I respectfully call your attention to the annual reports of the City Treasurer, the Board of Public Works, the Board of Education, Inspectors of the House of Correction, and the various commissions of the City Government.

Respectfully submitted;

H. P. BRIDGE,

*Controller.*

## LIABILITIES.

## BONDS ISSUED BY THE CITY OF DETROIT AND OUTSTANDING, FEBRUARY 1, 1878.

On what account issued.	Rate per cent.	When issued.	When redeemable.	Amount	Total.
Berthelet Market .....	7	Dec. 1, 6, 1834	Op. of C. Coun.		\$400 00
*Redemption of bonds issued in 1836.....	7	October 1, 1855	October 1, 1875		2,000 00
Redemption of bonds issued in 1838.....	7	April 1, 1858	April 1, 1878		50,000 00
Redemption of bonds issued in 1839 and 1841 .....	7	Sept. 1, 1859	Sept. 1, 1879		30,000 00
On account of House of Correction .....	7	Dec. 31, 1859	Dec. 31, 1879		50,000 00
On account of House of Correction, held by Commis'rs of Sinking Fund.....	7	Sept. 5, 1861	Sept. 5, 1881		24,000 00
Public Building Stock, for building City Hall issued in accordance with a resolution of the Common Council, Nov. 21, 1865.....	7	Jan. 1, 1866	Jan. 1, 1886	\$80,000 00	
Public Building Stock, for building City Hall issued in accordance with a resolution of the Common Council, Feb. 12, 1868.....	7	April 1, 1868	April 1, 1888	146,000 00	
Public Building Stock, for building City Hall issued by authority of an act of the State Legislature, approved April 5, 1869, and in accordance with a resolution of the Common Council, May 11, 1869.....	7	June 1, 1869	June 1, 1889	200,000 00	

\* These Bonds, Nos. 1 and 2, of the issue of October 1, 1855, and due October 1, 1875, and of \$1,000.00 each, not having been presented for payment, are still "outstanding," and are therefore among the "Liabilities."

## CITY CONTROLLER.

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On what account issued.	Rate per cent.	When issued.	When redeemable.	Amount.	Total
Public Building Stock, for building City Hall issued by authority of an act of the State Legislature, approved April 5, 1869, and in accordance with a resolution of the Common Council, May 31, 1870 .....	7	June 1, 1870	June 1, 1880	\$100,000 00	
Public Building Stock, for building City Hall issued by authority of an act of the State Legislature, approved April 5, 1869, and in accordance with a resolution of the Common Council, May 31, 1870 .....	7	June 1, 1871	June 1, 1891	74,000 00	\$300,000 00
Public Sewer Bonds, for building Public Sewers, issued by authority of an act of the State Legislature, approved April 17, 1871, and by consent of Citizens' Meeting of City of Detroit, held April 29, 1872,	7	August 1, 1872	August 1, 1892		100,000 00
Public Sewer Bonds, for building Public Sewers, issued by authority of an act of the State Legislature, approved April 17, 1871, and by consent of the Board of Estimates of City of Detroit, at a meeting held May 8, 1873 .....	7	August 1, 1873	August 1, 1893		100,000 00
Public Building Stock, for House of Correction, issued by authority of an act of the State Legislature, approved April 5, 1869, and in accordance with a resolution of the Common Council, May 31, 1870, and also of August 19, 1872 .....	7	June 1, 1873	June 1, 1893		10,000 00
Public Sewer Bonds, for building Public Sewers, issued by authority of an act of the State Legislature, approved April 17, 1871, and by consent of the Board of Estimates of City of Detroit, at a meeting held April 27, 1874 .....	7	August 1, 1874	August 1, 1894		100,000 00

On what account issued.	Rate per cent.	When issued.	When redeemable.	*Amount.	Total.
Public Building Stock of the City of Detroit, issued by authority of an act of the State Legislature, approved April 5, 1869, and in accordance with a resolution of the Common Council May 31, 1870, and August 3, 1875,	7	August 1, 1875	August 1, 1895		\$16,000 00
Public Sewer Bonds, for building Public Sewers, issued by authority of an act of the State Legislature, approved February 18, 1875, and by consent of the Board of Estimates of the City of Detroit, March 26, 1875.....	7	August 1, 1875	August, 1 1895		100,000 00
Public Sewer Bonds, for building Public Sewers, issued by authority of an act of the State Legislature, approved February 18, 1875, and by consent of the Board of Estimates of the City of Detroit, March 28, 1876.....	7	August 1, 1876	August 1, 1896		40,000 00
Public Sewer Bonds, for building Public Sewers, issued by authority of an act of the State Legislature, approved February 18, 1875, and by consent of the Board of Estimates of the City of Detroit, at a meeting held April 9, 1877..	7	June 1, 1877	June 1, 1897		40,000 00
Total bonded debt, February 1, 1878.....					\$1,262,400 00

## Less assets in charge of Commissioners of Sinking Fund:

Cash.....	\$146,976 31
Redemption Bonds.....	\$1,000 00
House of Correction Bonds.....	40,000 00
Public Sewer Bonds.....	140,000 00
Street Paving Bonds.....	36,780 55
Notes of H. P. Bridge, Controller, for use of several funds, being temporary loans.....	217,780 55
	20,100 00
	384,856 86
Net debt of the city, February 1, 1878 .....	<u>\$877,543 14</u>

**STREET PAVING BONDS ISSUED BY THE CITY OF DETROIT, AND OUTSTANDING  
FEBRUARY 1, 1878.**

FOR WHAT STREET.	Rates per ct.	WHEN DUE.			TOTAL.
		1878	1879	1880	
Montcalm street.....	7	\$1,211 83	.....	.....	\$1,211 83
Gilman street.....		859 37	.....	.....	859 37
Beaubien street.....		4,896 67	.....	.....	4,896 67
Forest street.....		905 98	.....	.....	905 98
Woodbridge street.....		2,861 95	.....	.....	2,861 95
Gratiot avenue.....		1,630 00	.....	.....	1,630 00
Pitcher street.....		1,384 33	.....	.....	1,384 33
Sibley street.....		1,305 62	.....	.....	1,305 62
Columbia street.....		1,191 24	.....	.....	1,191 24
Brush street.....		2,602 41	.....	.....	2,602 41
Elmwood avenue.....		598 25	.....	.....	598 25
Clinton avenue.....		4,407 39	.....	.....	4,407 39
Ninth avenue.....		10,631 56	.....	.....	10,631 56
St. Aubin avenue.....		3,668 99	.....	.....	3,668 99
Woodward avenue.....		1,330 19	.....	.....	1,330 19
Spencer street.....		785 37	.....	.....	785 37
Clinton street.....		5,011 34	.....	.....	5,011 34
Eighteenth street.....		4,508 72	.....	.....	4,508 72
Brady street.....		1,805 62	.....	.....	1,805 62
Baker street.....		4,014 90	.....	.....	4,014 90
Duffield street.....		635 19	.....	.....	635 19
Eighteenth-and-a-half street.....		634 04	.....	.....	634 04
Alexandrine avenue.....		2,195 60	2,195 57	.....	4,391 17
Third avenue.....		1,195 14	1,195 11	.....	2,390 25
Gratiot avenue.....		1,780 43	1,780 42	.....	3,560 85
Fulton street.....		1,538 53	1,538 51	.....	3,077 04
Griswold street.....		523 03	.....	.....	523 03
Farrar street.....		842 95	842 95	.....	1,685 90
Farmer street.....		652 51	652 50	.....	1,305 01
Williams street.....		523 88	.....	.....	523 88
Macomb avenue.....		1,067 06	1,067 06	.....	2,134 11
Woodbridge street.....		577 30	.....	.....	577 30
Hastings street.....		756 82	756 84	.....	1,513 66
Hastings street.....		2,043 04	2,043 03	.....	4,086 07
Riopelle street.....		1,961 75	1,961 72	.....	3,923 47
John R street.....		1,696 31	1,696 31	.....	3,392 62
Brush street.....		780 50	.....	.....	780 50
Jefferson avenue.....		.....	735 14	.....	735 14
Congress street.....		2,448 34	2,448 34	.....	4,896 68
Congress street.....		.....	520 21	.....	520 21
Twelfth street.....		2,449 63	2,449 63	.....	4,899 26
Fourth street.....		2,042 60	2,042 59	.....	4,085 19
Griswold street.....		.....	615 72	.....	615 72
Selden street.....		1,006 41	1,006 43	.....	2,012 84
Rowland street.....		701 11	701 11	.....	1,402 22
Brainard street.....		1,214 74	1,214 74	.....	2,429 48
Jones street.....		837 57	837 57	...	1,675 14



FOR WHAT STREET.	Rates per ct.	WHEN DUE.			TOTAL.
		1878	1879	1880	
Charlotte avenue .....		\$824 70	\$824 69		\$1,649 39
Baker street .....	1,132 57	1,132 59			2,265 16
Grand River avenue.....		610 97			610 97
Grand River avenue.....	892 56				892 56
Chene street .....	1,878 40	1,878 40			3,756 80
Eighth street.....		513 41			513 41
Fifth street.....	815 85				815 85
Columbia street.....	570 46	570 46			1,140 92
Abbott street .....	1,000 00	1,000 00	1,400 06		3,400 06
Warren avenue.....		500 00	788 09		1,288 09
Griswold street .....		832 89			832 89
Duffield street.....		885 99			885 99
Brush street .....	500 00	500 00	658 98		1,658 98
Woodward avenue.....	1,460 06	1,460 06	1,460 07		4,380 19
Maple street .....	1,443 15	1,443 15	1,443 15		4,329 45
Lewis street.....	838 88	838 88	838 90		2,516 66
Charlotte avenue .....	880 05	880 05	880 05		2,640 15
Michigan avenue.....	2,608 74	2,608 74	2,608 78		7,826 26
Fort street .....	1,468 09	1,468 09	1,468 09		4,404 27
Jefferson avenue.....		831 14			831 14
Campbell street.....	500 00	500 00	728 84		1,728 84
Congress street .....		518 57			518 57
Monroe avenue .....		645 56	500 00		1,145 56
Parsons street .....	500 00	500 00	710 46		1,710 46
Macomb street.....	1,166 66	1,166 66	1,166 69		3,500 01
Randolph street.....		584 79			584 79
Michigan avenue.....		977 96			977 96
Second street .....	1,828 30	1,828 30	1,828 31		5,484 91
Congress street .....	600 00	659 53			1,259 53
Columbia street.....		972 46			972 46
Randolph street.....		689 55			689 55
Orleans street.....			572 92		572 92
		<u>\$106,399 68</u>	<u>\$55,889 38</u>	<u>\$17,054 29</u>	<u>\$179,343 35</u>

While the city pledges its faith and credit for the payment of street paving bonds, the property adjoining the streets paved is held liable for the payment of the same with interest; this debt is not therefore considered as part of the bonded debt of the city.

By virtue of the Charter and ordinances made and provided for such purposes, the Commissioners of the Sinking Fund have purchased, from payments which have been made into the treasury to the credit of these funds, for the benefit of the Street Paving Sinking Fund, the following bonds, issued during the fiscal years 1875 and 1876:

FOR WHAT STREET.	NO. OF BONDS.	WHEN DUE.		TOTAL.
		1878.	1879.	
Brush street .....	849 and 850	\$1,892 54	.....	\$1,892 54
Brady street .....	964 and 965	1,806 62	.....	1,806 62
Clinton street .....	65, 923, 928, 934, 739 and 940	4,011 34	.....	4,011 34
Ninth avenue .....	943	980 96	.....	980 96
Williams street .....	1,015	523 88	.....	523 88
Elmwood avenue .....	856	598 25	.....	598 25
Duffield street .....	979	635 19	.....	635 19
Woodbridge street .....	810, 811, 814, 817, 1,022	3,439 25	.....	3,439 25
Fifth street .....	1,125	815 85	.....	815 85
St. Aubin avenue .....	901, 902, 905, 908	3,668 99	.....	3,668 99
Twelfth street .....	1,066	500 00	.....	500 00
Eighteenth street .....	949, 950, 953	2,540 49	.....	2,540 49
Eighteenth-and-a-half st.	980	634 04	.....	634 04
Baker street .....	975, 977, 1,109, 1,110	3,147 47	1,132 59	4,280 06
Third avenue .....	989 to 992	1,195 14	1,195 11	2,390 25
Fulton street .....	1,002 to 1,007	1,533 53	1,533 51	3,067 04
Macomb avenue .....	1,018 to 1,021	1,067 06	1,065 05	2,134 11
Riopelle street .....	1,033, 1,034, 1,036, 1,037	1,961 75	1,961 72	3,923 47
John R street .....	1,043 to 1,046	1,170 44	1,170 45	2,340 89
Brainard street .....	1,098 to 1,101	1,214 74	1,214 74	2,429 48
Rowland street .....	1,094 and 1,095	701 11	701 11	1,402 22
Congress street .....	1,052 to 1,055, 1,057 to 1,058	2,448 34	2,448 34	4,896 68
Charlotte avenue .....	1,106 and 1,107	824 70	824 69	1,649 39
Grand River avenue .....	1,112 and 1,113	892 56	610 97	1,503 53
Alexandrine avenue .....	963 to 966	2,195 60	2,195 57	4,391 17
Hastings street .....	1,024 and 1,025	756 82	756 84	1,513 66
Jones street .....	1,108 and 1,104	837 57	837 57	1,675 14
Chene street .....	1,115, 1,116, 1,119 to 1,122	1,678 40	1,678 40	3,356 80
Congress street .....	1,200 and 1,201	600 00	659 53	1,259 53
Jefferson avenue .....	1,019	.....	735 14	735 14
Griswold street .....	1,086	.....	615 72	615 72
Selden street .....	1,091	.....	500 00	500 00
Eighth street .....	1,124	.....	513 41	513 41
Randolph street .....	1,203	.....	689 55	689 55
		\$44,271 63	\$23,042 01	\$67,313 64

STATEMENT SHOWING THE GROSS DEBT OF THE CITY OF DETROIT FROM 1856  
TO 1877 INCLUSIVE, ALSO, THE CONDITION OF THE SINKING FUND AND  
THE NET DEBT FOR THE SAME TIME.

	GROSS DEBT.	SINKING FUND.	NET DEBT.
1856, March 1st.....	\$309,436 18	\$ 9,849 00	\$299,587 18
1857, " ".....	298,683 93	12,804 13	285,879 80
1858, " ".....	296,543 73	20,473 45	276,070 28
1859, April 1st.....	295,968 73	33,040 23	262,928 50
1860, " ".....	315,968 73	11,123 05	304,845 68
1861, " ".....	315,968 73	18,968 35	297,000 38
1862, " ".....	315,968 73	35,561 22	280,407 51
1863, " ".....	339,968 73	52,808 25	287,160 48
1864, " ".....	361,968 73	69,949 82	292,018 91
1865, " ".....	507,768 73	87,136 68	420,632 05
1866, " ".....	451,968 73	75,005 54	376,963 19
1867, " ".....	494,168 73	64,844 58	429,324 15
1868, " ".....	461,743 73	61,096 34	400,707 39
1869, " ".....	583,943 73	67,146 59	516,797 14
1870, " ".....	701,283 73	37,252 89	667,030 84
1871, " ".....	813,721 58	23,593 58	790,128 00
1872, " ".....	831,900 00	54,415 06	777,484 94
1873, Febr'y 1st.....	901,400 00	72,753 30	828,646 70
1874, " ".....	939,400 00	81,034 87	858,365 13
1875, " ".....	1,081,900 00	121,285 64	960,614 36
1876, " ".....	1,079,900 00	185,826 17	894,073 83
1877, " ".....	1,179,900 00	299,400 38	880,499 62
1878, " ".....	1,262,400 00	384,856 86	877,543 14

## TREASURER'S RECEIPTS.

For the Fiscal Year Ending January 31st, 1878.

Receiver of Taxes, taxes of 1875.....	\$ 502 23
Receiver of Taxes, taxes of 1876. ....	125,849 55
Receiver of Taxes, taxes of 1877....	685,586 09
Receiver of Taxes, taxes unclassified of 1876.....	11,279 07
Receiver of Taxes, taxes unclassified of 1877.....	47,950 45
Sinking Fund.....	104,838 82
Street Paving Sinking Fund, payment on assessments.....	109,874 70
Interest Fund ..	3,481 27
Street Paving Interest Fund, interest on assessments.....	5,419 13
General Fund, rent of county offices, etc.....	42,696 81
Contingent Fund.....	57,640 21
City Poor Fund .....	17,700 96
Public Sewer Bonds, bonds issued .....	82,500 00
Public Sewer Fund.....	6,002 00
Suspense Account.....	960 06
General Sewer Fund.....	3 50
Recorder's Court, fines and fees.....	1,154 50
Superior Court, fees.....	5,903 00
Lateral Sewer Refunding ..	317,14
Police Court, Central Station, fines and fees.....	5,761 00
Redemption Fund, payments on redemption.....	19,608 29
City Pound, E. D.....	227 75
City Pound, W. D.....	584 90
Fire Commissioners Fund .....	3,851 46
Lateral Sewer Inspection.....	326 18
Lateral Sewer Connections.....	469 00
Police Life and Health Insurance Fund .....	336 61
General Road Fund.....	3,372 42
Road District Fund No. 1.....	525 50
Road District Fund No. 2.....	575 00

Road District Fund No. 3.....	\$923 00
Road District Fund No. 4.....	1,024 20
Road District Fund No. 5.....	2,027 70
Road District Fund No. 6.....	2,894 67
Road District Fund No. 7.....	1,073 00
Road District Fund No. 8.....	1,823 33
Road District Fund No. 9.....	3,036 90
Road District Fund No. 10.....	4,370 00
Road District Fund No. 11.....	2,010 45
Road District Fund No. 12.....	1,815 00
Road District Fund No. 13.....	1,810 00
Lateral Sewers, 1869, J. Granger, contractor.....	81 20
Lateral Sewers, 1872, Daniel Shanahan, contractor.....	73 69
Lateral Sewers, 1872, P. & D. Shanahan, contractors.....	63 80
Lateral Sewers, 1878, A. & J. A. Stewart, contractors.....	17 02
Lateral Sewers, 1875, D. Sullivan, No. 2, contractor....	77 78
Lateral Sewers, 1875, M. Henderson, contractor.....	35 83
Lateral Sewers, 1875, Shanahan & McLogan, contractors.....	172 00
Lateral Sewers, 1875, Elwart & Mazaine, contractors.....	82 08
Lateral Sewers, 1875, D. Sullivan, No. 1, contractor.....	169 62
Lateral Sewers, 1876, Charles Reinfeldt, contractor.....	1,229 73
Lateral Sewers, 1876, B. Youngblood, contractor....	860 21
Lateral Sewers, 1876, D. Sullivan, No. 2, contractor....	21 23
Lateral Sewers, 1876, E. R. Kearsley, contractor.....	62 56
Lateral Sewers, 1876, Ferdinand Porath, contractor.....	470 29
Lateral Sewers, 1876, August Zander, contractor.....	346 97
Lateral Sewers, 1876, J. & J. Sullivan, contractors.....	15 73
Lateral Sewers, 1876, Jeremiah Connor, contractor.....	160 55
Lateral Sewers, 1876, Daniel Sullivan, No. 1, contractor.....	1,259 25
Lateral Sewers, 1876, Wagner & Detloff, contractors.....	1,299 06
Lateral Sewers, 1876, John Sullivan, contractor.....	649 82
Lateral Sewers, 1876, Henry Horn, contractor.....	130 37
Lateral Sewers, 1876, Uridge & Bristow, contractors.....	185 25
Lateral Sewers, 1876, M. & W. H. Henderson, contractors.....	63 95
Lateral Sewers, 1877, John Wagner, contractor.....	152 59
Lateral Sewers, 1877, Anton Detloff, contractor.....	120 92
Lateral Sewers, 1877, Frank Elwart, contractor.....	274 40
Lateral Sewers, 1877, M. & W. H. Henderson, contractors.....	288 29
Lateral Sewers, 1877, Charles Reinfeldt, contractor.....	396 92
Lateral Sewers, 1877, A. & J. Detloff, contractors.....	433 07
Lateral Sewers, 1877, Aug. Zander, contractor.....	234 85
Lateral Sewers, 1877, Wagner & Detloff, contractors....	4 53
Lateral Sewers, 1877, Ostrowski & Hildebrandt, contractors.....	3,729 74

Lateral Sewers, 1877, Jeremiah Connor, contractor.....	\$82 91
Lateral Sewers, 1877, Ferdinand Porath, contractor.....	1,994 44
Paving Alleys, 1875, A. & J. A. Stewart, contractors.....	114 91
Paving Alleys, 1876, James DeFoe & Co., contractors.....	22 06
Paving Alleys, 1876, Eugene Robinson, contractor.....	162 84
Paving Alleys, 1877, James McGonegal, contractor.....	802 76
Paving Alleys, 1877, Ledbeter & Stewart, contractors.....	278 15
Paving Montcalm street, 1874, E. Robinson, contractor.....	28 53
Paving Beaubien street, 1875, E. Robinson, contractor.....	32 57
Paving Clinton avenue, 1875, V. Hilsendegen, contractor.....	77 39
Paving St. Aubin avenue, 1875, McGonegal & Dunn, contractors,	33 84
Paving Eighteenth street, 1875, E. Robinson, contractor.....	42 37
Paving Eighteenth-and-a-half street, 1875, E. Robinson, contr'ctr	52 88
Paving Columbia street, 1876, Ledbeter & Stewart, contractors..	114 62
Paving Fifth street, 1876, James McGonegal, contractor.....	117 05
Paving Grand River avenue, 1876, Kaiser & Schneider, contrac- tors.....	260 70
Paving Baker street, 1876, Mark Flanigan, contractor.....	87 04
Paving Chene street, 1876, Dubois & Dunn, contractors.....	158 21
Paving Jones street, 1876, Dubois & Dunn, contractors.....	194 40
Paving Alexandrine avenue, 1876, Ledbeter & Stewart, contract'rs	80 96
Paving Farrar street, 1876, Eugene Robinson, contractor....	51 49
Paving Third avenue, 1876, Ledbeter & Stewart, contractors ...	128 40
Paving Griswold street, 1876, Eugene Robinson, contractor. ....	9 61
Paving Fulton Street, 1876, Ledbeter & Stewart, contractors ....	54 65
Paving Gratiot avenue, 1876, Eugene Robinson, contractor.....	92 57
Paving Woodbridge street, 1876, Eugene Robinson, contractor...	16 57
Paving Macomb street, 1876, Kaiser, Schneider & Patrick, con- tractors.....	206 04
Paving Hastings street, 1876, Eugene Robinson, contractor.....	9 52
Paving Hastings street, 1876, Dubois & Dunn, contractors.....	123 50
Paving Twelfth street, 1876, Ledbeter & Stewart, contractors ...	163 54
Paving John R Street, 1876, Kaiser, Schneider & Patrick, con- tractors.....	124 04
Paving Riopelle street, 1876, James McGonegal, contractor.....	143 15
Paving Congress street, 1876, Dubois & Dunn, contractors.....	231 78
Paving Fourth street, 1876, E. Robinson, contractor.....	242 62
Paving Brainard street, 1876, Mark Flanigan, contractor.....	30 58
Paving Selden street, 1876, Wm. J. Nesbitt, contractor.....	27 64
Paving Rowland street, 1876, James McGonegal, contractor.....	85 36
Paving Bronson street, 1877, Ledbeter & Stewart, contractors....	69 72
Paving Congress street, 1877, Peter Dunn, contractor.....	975 07
Paving Columbia street, 1877, Ledbeter & Stewart, contractors..	332 08

Paving Warren avenue, 1877, John F. McMillan, contractor.....	\$578 55
Paving Duffield street, 1877, John F. McMillan, contractor.....	607 57
Paving West Park Place, 1877, John F. McMillan, contractor...	1,180 22
Paving Griswold street, 1877, John F. McMillan, contractor.....	731 25
Paving Abbott street, 1877, James McGonegal, contractor. ....	1,420 07
Paving Brush street, 1877, Ledbeter & Stewart, contractors.....	647 86
Paving Michigan avenue, 1877, E. S. DeGolyer, contractor.....	6,048 45
Paving Michigan avenue, 1877, John F. McMillan, contractor. .	444 55
Paving Charlotte avenue, 1877, James McGonegal, contractor...	1,403 88
Paving Maple street, 1877, John F. McMillan, contractor.....	1,651 86
Paving Orleans street, 1877, James McGonegal, contractor.....	500 75
Paving Lewis street, 1877, Eugene Robinson, contractor.....	1,257 27
Paving Woodward avenue, 1877, Ledbeter & Stewart, contractors	1,394 95
Paving Randolph street, 1877, Peter Dunn, contractor.....	960 15
Paving Campus Martius, 1877, James McGonegal, contractor....	178 80
Paving Griswold street, 1877, James McGonegal, contractor.....	48 72
Paving Macomb street, 1877, John F. McMillan, contractor.....	970 08
Paving Fort street west, 1877, T. W. Corby, contractor.....	3,454 54
Paving Jefferson avenue, 1877, Ledbeter & Stewart, contractors,	703 06
Paving Second street, 1877, Ledbeter & Stewart, contractors....	3,204 59
Paving Congress street, 1877, Ledbeter & Stewart, contractors ..	570 44
Paving Campbell street, 1877, Ledbeter & Stewart, contractors..	715 36
Paving Randolph street, 1877, John F. McMillan, contractor....	1,239 33
Paving Parsons street, 1877, John F. McMillan, contractor.....	709 86
Paving Bates street, 1877, James McGonegal, contractor.....	320 49
Paving Monroe avenue, 1877, James McGonegal, contractor....	1,524 58
Plank Side and Crosswalks, no contractor.....	11 44
Plank Sidewalks, 1859, C. Monaghan, contractor.....	25
Plank Sidewalks, 1860, H. Doty, contractor.....	4 95
Plank Sidewalks, 1868, N. Hill, contractor.....	29 65
Plank Sidewalks, 1870, M. Henderson, contractor.....	17 56
Plank Sidewalks, 1871, August Kolb, contractor.....	78 45
Plank Sidewalks, 1873, Charles Knaupe, contractor.....	23 41
Plank Sidewalks, 1874, Charles Knaupe, contractor.....	22 47
Plank Sidewalks, 1875, J. D. Standish, contractor .....	113 53
Plank Sidewalks, 1876, Henry May, contractor.....	490 99
Plank Sidewalks, 1876, D. B. Langford, contractor....	498 35
Plank Sidewalks, 1877, D. B. Langford, contractor.....	182 43
Plank Sidewalks, 1877, Joseph McCallum, contractor.....	318 46
Plank Sidewalks, 1877, Henry Roeder, contractor.....	33 13
Stone Sidewalks, 1876, Batchelder, Cook & Co., contractors.....	157 76
Stone Sidewalks, 1876, Cobb, Wallace & Law, contractors.....	835 84
Stone Sidewalks, 1877, Cobb, Wallace & Law, contractors.....	382 20

Gas and Lamp Post Fund .....	\$18 70	
Interest on Deposits.....	7,419 76	
Interest on Special Assessments.....	439 40	
City Charges 1846 to 1877.....	15,649 50	
Percentages 1875.....	79 01	
Percentages 1876.....	14,033 56	
Percentages 1877.....	4,122 77	
Charges Advertising and Inspection.....	648 50	
Charges Advertising Sales.....	200 40	
City Collector's Fees.....	2,519 72	
City Deeds.....	14 50	
Hay Scales, E. D.....	150 00	
Hay Scales, W. D.....	75 00	
Wood Market, E. D.....	25 00	
Licenses—Meat Shops.....	\$1,073 97	
Meat by quarters.....	627 10	
Auctioneers.....	153 17	
Pawnbrokers.....	1,230 97	
Peddlers.....	1,876 72	
Drays.....	922 22	
Hacks.....	524 07	
Hack Drivers.....	44 00	
Porters and Runners.....	43 00	
Theaters.....	500 00	
Newsboys.....	74 50	
Circuses.....	250 00	
Shows.....	19 50	
Billiards.....	362 75	
Street Cars.....	1,112 50	
Ferries.....	843 31	
Ball Alleys.....	10 83	
Scavengers.....	1 00	
Platform Scales.....	50 00	
		9,728 61
Market Rents—Stall Rents.....	9,160 00	
Wagon Rents.....	2,365 70	
Sale of Calves and Sheep.....	301 41	
Cass Market.....	104 50	
Fish Benches.....	706 00	
		\$12,637 61
City Bids 1846 to 1876 .....	34,239 00	
Total Receipts.....	\$1,526,688 77	



## TREASURER'S DISBURSEMENTS.

For the Fiscal Year Ending January 31st, 1878.

Sinking Fund.....	\$166,418 65
Street Paving Sinking Fund.....	83,515 11
Interest Fund.....	86,347 50
Street Paving Interest Fund.....	18,810 02
General Fund.....	130,553 76
Gas and Lamp Post Fund .....	46,311 87
Printing and Stationery.....	12,240 64
Contingent Fund.....	23,827 76
City Poor Fund.....	37,284 52
Public Sewer Fund.....	101,700 69
General Sewer Fund.....	15,865 44
Public Building Fund.....	1,695 82
Park Improvement Fund.....	2,666 24
Recorder's Court Fund .....	87 51
Superior Court Fund.....	18,929 77
Police Court, Central Station Fund.....	5,236 00
Lateral Sewer Connection Refunding Roll .....	172 18
Redemption Fund.....	19,595 56
City Pound, E. D., Fund.....	157 00
City Pound, W. D., Fund .....	421 26
General Road Fund.....	64,605 57
Road District No. 1 Fund. ....	2,184 60
Road District No. 2 Fund.....	2,215 58
Road District No. 3 Fund.....	2,034 44
Road District No. 4 Fund .....	1,830 13
Road District No. 5 Fund.....	4,271 13
Road District No. 6 Fund. ....	4,037 98
Road District No. 7 Fund.....	2,367 59
Road District No. 8 Fund.....	3,180 99
Road District No. 9 Fund.....	5,843 12
Road District No. 10 Fund.....	5,259 02

Road District No. 11 Fund.....	\$4,177 41
Road District No. 12 Fund.....	3,692 98
Road District No. 13 Fund.....	3,963 20
Unclassified Taxes 1876.....	255 31
Board of Education Fund.....	203,444 38
Metropolitan Police Fund.....	132,702 80
Fire Commissioner's Fund.....	115,618 92
Water Commissioner's Interest and Sinking Fund.....	38,707 16
Police Life and Health Insurance Fund.....	380 56
Contractor's Interest Fund.....	302 53
Plank Sidewalks, 1860, H. Doty, contractor.....	2 29
Plank Sidewalks, 1871, M. Henderson, contractor.....	17 56
Plank Sidewalks, 1871, Aug. Kolb, contractor.....	78 45
Plank Sidewalks, 1873, Charles Knaupe, contractor.....	23 41
Plank Sidewalks, 1874, Charles Knaupe, contractor.....	22 47
Plank Sidewalks, 1875, John D. Standish, contractor.....	161 68
Plank Sidewalks, 1876, Henry May, contractor.....	501 41
Plank Sidewalks, 1876, D. B. Langford, contractor.....	539 87
Plank Sidewalks, 1877, D. B. Langford, contractor.....	182 43
Plank Sidewalks, 1877, Joseph McCallum, contractor.....	281 46
Plank Sidewalks, 1877, Henry Roeder, contractor.....	16 17
Stone Sidewalks, 1876, Batchelder, Cook & Co., contractors.....	157 76
Stone Sidewalks, 1876, Cobb, Wallace & Law, contractors.....	835 84
Stone Sidewalks, 1877, Cobb, Wallace & Law, contractors.....	382 20
Lateral Sewers, 1869, Joseph Granger, contractor.....	81 20
Lateral Sewers, 1872, Daniel Shanahan, contractor.....	73 69
Lateral Sewers, 1872, P. & D. Shanahan, contractors.....	63 80
Lateral Sewers, 1873, A. & J. A. Stewart, contractors.....	17 02
Lateral Sewers, 1875, Daniel Sullivan No. 2, contractor.....	77 78
Lateral Sewers, 1875, M. Henderson, contractor.....	35 83
Lateral Sewers, 1875, Shanahan & McLogan, contractors.....	172 00
Lateral Sewers, 1875, James Cuddy, contractor.....	350 63
Lateral Sewers, 1875, Elwart & Mazaine, contractors.....	82 08
Lateral Sewers, 1875, Daniel Sullivan No. 1, contractor.....	169 02
Lateral Sewers, 1876, Daniel Sullivan No. 2, contractor.....	21 23
Lateral Sewers, 1876, Charles Reinfeldt, contractor.....	1,361 31
Lateral Sewers, 1876, B. Youngblood, contractor.....	906 40
Lateral Sewers, 1876, E. R. Kearsley, contractor.....	62 56
Lateral Sewers, 1876, Ferdinand Porath, contractor.....	637 71
Lateral Sewers, 1876, Aug't Zander, contractor.....	346 97
Lateral Sewers, 1876, J. & J. Sullivan, contractors.....	18 65
Lateral Sewers, 1876, Jeremiah Connor, contractor.....	160 55
Lateral Sewers, 1876, Daniel Sullivan No. 1, contractor.....	1,247 27

Lateral Sewers, 1876, Wagner & Detloff, contractors.....	\$1,326 70
Lateral Sewers, 1876, John Sullivan, contractor.....	671 01
Lateral Sewers, 1876, Henry Horn, contractor .....	130 37
Lateral Sewers, 1876, Uridge & Bristow, contractors .....	185 25
Lateral Sewers, 1876, M. & W. H. Henderson, contractors.....	75 83
Lateral Sewers, 1877, John Wagner, contractor.....	146 95
Lateral Sewers, 1877, Anton Detloff, contractor .....	120 92
Lateral Sewers, 1877, Frank Elwart, contractor... ..	258 66
Lateral Sewers, 1877, M. & W. H. Henderson, contractors ..	288 29
Lateral Sewers, 1877, Charles Reinfeldt, contractor.....	374 78
Lateral Sewers, 1877, A. & J. Detloff, contractors.....	433 07
Lateral Sewers, 1877, August Zander, contractor.....	284 85
Lateral Sewers, 1877, Wagner & Detloff, contractors .....	4 53
Lateral Sewers, 1877, Ostrowske & Hildebrandt, contractors ....	3,512 06
Lateral Sewers, 1877, Jeremiah Connor, contractor .....	74 98
Lateral Sewers, 1877, Ferd. Porath, contractor.....	1,922 67
Paving Alleys, 1875, A. & J. A. Stewart.....	114 91
Paving Alleys, 1876, James Defoe, contractor.....	22 06
Paving Alleys, 1876, Eugene Robinson, contractor.....	162 84
Paving Alleys, 1877, James McGonegal, contractor.....	802 76
Paving Alleys, 1877, Ledbeter & Stewart, contractors.....	267 87
<b>PAVING STREETS:</b>	
Montcalm Street, 1874, E. Robinson, contractor .....	28 53
Beaubien Street, 1875, E. Robinson, contractor.....	32 57
Clinton Avenue, 1875, V. Hilsendegen, contractor.....	77 39
St. Aubin Avenue, 1875, McGonegal & Dunn, contractors.....	88 12
Eighteenth Street, 1875, E. Robinson, contractor.....	42 37
Eighteenth and a-half Street, 1875, E. Robinson, contractor....	52 88
Columbia Street, 1876, Ledbeter & Stewart, contractors.....	186 91
Fifth Street, 1876, James McGonegal, contractor.....	117 05
Grand River Avenue, 1876, Kaiser & Schneider, contractors....	260 70
Baker Street, 1876, Mark Flanigan, contractor .....	87 04
Chene Street, 1876, Dubois & Dunn, contractors .....	210 01
Jones Street, 1876, Dubois & Dunn, contractors.....	194 40
Alexandrine Avenue, 1876, Ledbeter & Stewart, contractors....	80 96
Farrar Street, 1876, Eugene Robinson, contractor .....	54 49
Third Avenue, 1876, Ledbeter & Stewart, contractors.....	128 40
Griswold Street, 1876, Eugene Robinson, contractor .....	9 61
Fulton Street, 1876, Ledbeter & Stewart, contractors... ..	54 65
Gratiot Avenue, 1876, Eugene Robinson, contractor.....	92 57
Woodbridge Street, 1876, Eugene Robinson, contractor.. .	16 57
Macomb Avenue, 1876, Kaiser, Schneider & Patrick, contractors	206 04
Hastings Street, 1876, Eugene Robinson, contractor.....	9 52

Hastings Street, 1876, Dubois & Dunn, contractors.....	\$184 86
Twelfth Street, 1876, Ledbeter & Stewart, contractors.....	281 09
John R Street, 1876, Kaiser, Schneider & Patrick, contractors...	124 04
Riopelle Street, 1876, James McGonegal, contractor.....	143 15
Congress Street, 1876, Dubois & Dunn, contractors..	279 90
Fourth Street, 1876, E. Robinson, contractor.....	242 62
Brainard Street, 1876, Mark Flanigan, contractor..	30 58
Selden Street, 1876, Wm. J. Nesbitt, contractor.....	27 64
Rowland Street, 1876, James McGonegal, contractor.....	85 86
Bronson Street, 1877, Ledbeter & Stewart, contractors.....	69 72
Congress Street, 1877, Peter Dunn, contractor.....	950 34
Columbia Street, 1877, Ledbeter & Stewart, contractors.....	317 78
Warren Avenue, 1877, John F. McMillan, contractor.....	578 55
Duffield Street, 1877, John F. McMillan, contractor.....	607 57
West Park Place, 1877, John F. McMillan, contractor.....	1,130 22
Griswold Street, 1877, John F. McMillan, contractor.....	731 25
Abbott Street, 1877, James McGonegal, contractor.....	1,420 07
Brush Street, 1877, Ledbeter & Stewart, contractors.....	647 86
Michigan Avenue, 1877, John F. McMillan, contractor...	493 58
Charlotte Avenue, 1877, James McGonegal, contractor.....	1,370 28
Michigan Avenue, 1877, E. S. DeGolyer, contractor.....	6,048 45
Maple Street, 1877, John F. McMillan, contractor.....	1,651 86
Orleans Street, 1877, James McGonegal, contractor.....	500 75
Lewis Street, 1877, John F. McMillan, contractor.....	1,257 27
Woodward Avenue, 1877, Ledbeter & Stewart, contractors.....	1,394 95
Randolph Street, 1877, Peter Dunn, contractor.....	960 15
Campus Martius, 1877, James McGonegal, contractor.....	178 80
Griswold Street, 1877, James McGonegal, contractor.....	48 72
Macomb Street, 1877, John F. McMillan, contractor.....	970 08
Fort Street West, 1877, T. W. Corby, contractor.....	3,454 54
Jefferson Avenue, 1877, Ledbeter & Stewart, contractors.....	708 06
Second Street, 1877, Ledbeter & Stewart, contractors.....	3,204 59
Congress Street, 1877, Ledbeter & Stewart, contractors.....	570 44
Campbell Street, 1877, John F. McMillan, contractor.....	715 36
Randolph Street, 1877, John F. McMillan, contractor.....	1,239 33
Parsons Street, 1877, John F. McMillan, contractor.....	709 86
Bates Street, 1877, James McGonegal, contractor.....	320 49
Monroe Avenue, 1877, James McGonegal, contractor.....	1,524 58
<b>Total.....</b>	<b>\$1,430,178 98</b>

## BALANCE SHEET.

January 31, 1878.

	DR.
Cash on hand .....	\$273,773 05
House of Correction Loan .....	100,000 00
New City Hall Loan .....	600,000 00
Redemption Loan .....	82,000 00
Berthelet Market Loan .....	400 00
Loan Account .....	20,100 00
Street Paving Loan .....	179,343 35
Public Sewer Loan .....	480,000 00
Street Paving Interest Fund .....	24,019 97
Bills Receivable .....	61 63
Real Estate .....	1,200 00
Treasurer Wayne County, Liquor Tax ..	10,373 25
Receiver of Taxes, Special Assessment Rolls...	6,005 98
Receiver of Taxes, Bond Paving Roll .....	116,919 91
Taxes Remitted .....	2,373 85
Redemption of City Bids .....	161 92
Suspense Account .....	7,661 16
General Tax Levy 1864 to 1870 ..	320 14
Percentages 1864 to 1870 .....	36 75
City Taxes, 1875 .....	51,126 47
City Taxes, 1876 .....	39,533 23
City Taxes, 1877 .....	157,847 34
City Bids, 1846 to 1876 .....	68,045 22
George W. Burchell, Collector .....	50 00
William Cook, Collector .....	4 77
Paving, 1859 .....	306 81
Total .....	<u>\$2,221,664 80</u>

	CR.
Outstanding City Bonds .....	\$1,262,400 00
Outstanding Paving Bonds .....	179,343 35
Sinking Fund .....	149,269 74

Street Paving Sinking Fund .....	\$37,173 32
Interest Fund .....	13,581 98
General Fund.....	38,521 12
Contingent Fund.....	557 89
City Poor Fund.....	13,386 90
General Sewer Fund.....	14,118 42
Public Sewer Fund.....	17,506 88
Public Building Fund.....	2,758 46
Interest and Sinking Fund, Water Commission .....	12,948 88
Fire Commission Fund.....	67,791 80
Board of Education Fund.....	72,686 87
Metropolitan Police Fund.....	43,655 77
Street Opening Fund.....	7,246 72
Police Court, Central Station Fund.....	725 00
General Road Fund.....	33,895 60
Road District No. 1 Fund .....	292 86
Road District No. 2 Fund.....	444 78
Road District No. 3 Fund.....	674 55
Road District No. 4 Fund.....	704 76
Road District No. 5 Fund.....	1,454 33
Road District No. 6 Fund.....	1,929 00
Road District No. 7 Fund.....	350 92
Road District No. 8 Fund.....	1,475 86
Road District No. 9 Fund.....	2,341 01
Road District No. 10 Fund.....	2,578 74
Road District No. 11 Fund.....	813 04
Road District No. 12 Fund.....	1,230 25
Road District No. 13 Fund.....	846 80
Redemption Fund.....	2,381 38
Bond Paving Rolls.....	116,919 91
Special Assessment Rolls.....	6,005 98
Liquor Assessment Rolls, 1877.....	10,373 25
Police Life and Health Insurance Fund.....	325 02
Contractor's Interest Fund.....	275 21
Bills Payable.....	20,100 00
Aggregate City Bids.....	68,045 22
Lateral Sewer Refunding.....	472 05
Royalties.....	12,280 81
Plank Walks, Nazareth Hill, contractor.....	29 65
Plank Walks, 1860, H. Doty, contractor.....	2 66
Plank Walks, 1877, Joseph McCallum, contractor.....	37 00
Plank Walks, 1877, Henry Roeder, contractor.....	16 96
Lateral Sewers, 1875, John Sullivan, contractor.....	15

Lateral Sewers, 1876, Daniel Sullivan No. 1, contractor..	\$80 96
Lateral Sewers, 1877, Owstrowskie & Hildebrandt, contractors..	217 68
Lateral Sewers, 1877, Jeremiah Connor, contractor.....	7 98
Lateral Sewers, 1877, Ferdinand Porath, contractor.....	71 77
Lateral Sewers, 1877, Charles Rienfeldt, contractor.....	22 14
Lateral Sewers, 1877, Frank Elwart, contractor.....	15 74
Lateral Sewers, 1877, John Wagner, contractor.....	5 64
Paving Rivard Street, 1860,.....	11 51
Paving Ninth Avenue, 1875, Eugene Robinson, contractor.....	524 51
Paving Woodward Avenue, 1875, Eugene Robinson, contractor,	223 17
Paving Brady Street, 1875, Eugene Robinson, contractor.....	122 48
Paving Baker Street, 1875, Eugene Robinson, contractor.....	242 44
Paving Fort Street and Campus Martius, 1876, Detroit City Pav- ing Company...	55 20
Paving Charlotte Avenue, 1877, James McGonegal, contractor...	33 60
Paving Michigan Avenue, 1877, John F. McMillan, contractor..	10 97
Paving Columbia Street, 1877, John F. McMillan, contractor...	14 80
Paving Congress Street, 1877, Peter Dunn, contractor.....	24 78
Paving Alleys, 1877, Ledbeiter & Stewart, contractors.....	10 28
Totals .....	<u>\$2,221,664 80</u>

## SINKING FUND.

Date. Voucher. Warrant.			Dr.		
1877.					
April	3	1	463	Wm. Parkinson, City Treasurer, for purchase of Public Sewer Bond .....	\$40,466 67
	21	2	610	H. P. Bridge, Controller, amount of cash loan to various funds, resolution of Council, April 17, 1877.....	46,050 00
	27	3	612	H. P. Bridge, for bond 819, paving Forest Avenue .....	1,016 61
May	2	4	609	To H. P. Bridge, Controller, amount of cash loan for Fifth Ward.....	1,000 00
	12	5	806	Eugene Robinson & Co., purchase of Bonds Nos. 995, 1059 and 1088 ....	2,136 17
	14	6	806	H. P. Bridge, Controller, amount of cash loan for use of various Ward Funds, resolution of Council, May 11, 1877.....	4,600 00
June	25	7	1196	Jesse H. Farwell, purchase of Street Paving Bonds Nos. 947, 715, 712, 728, 700, 732 and 754... ..	7,117 83
July	27	8	1512	James McGonegal, purchase of Street Paving Bonds Nos. 1129 to 1134 inclusive,	3,400 96
Aug.	4	9	1614	James McGonegal, purchase of Street Paving Bond No. 1142.....	572 92
	18	10	1776	James McGonegal, purchase of Street Paving Bonds Nos. 1153, 1159 and 1160...	2,653 35
	24	11	1837	Jesse H. Farwell, purchase of Street Paving Bonds Nos. 859, 864, 871, 874, 898, 899, 895, 896, 913, 914, 958, 959, 974, 976, 1029 and 1081.....	18,744 70
Sept.	6	12	1933	H. P. Bridge, Controller, avails of cash loan.....	1,300 00
Oct.	15	13	2346	Thomas W. Corby, purchase of Street Paving Bonds Nos. 1167 to 1172 inclusive	4,448 31
	19	14	2415	Jeremiah Godfrey, purchase of Street Paving Bonds Nos. 1008, 1010, 996, 1149, and 1150 .....	3,810 63
	20	15	2421	Board of Education, interest on School Taxes, 1877, resolution of Common Council adopted October 12, 1877 .....	304 71
	22	16	2479	H. P. Bridge, Controller, proceeds of cash loan to Road District Funds, resolution of Council October 16, 1877.....	9,800 00
	29	17	2496	James McGonegal purchase of Bond No. 1178 .....	652 00



Date. Voucher. Warrant.

1877.

Nov. 19	18	2665	John F. McMillan, purchase of Street Paving Bonds Nos. 1180, 1181 and 1182....	\$1,727 56
	21	19	2668 H. P. Bridge, Controller, amount of cash loan, Public Sewer Fund, \$6,000, City Poor Fund, \$4,000, resolution of Council November 18.....	10,000 00
Dec. 8	20	2648	Jeremiah Godfrey, purchase of Bonds Nos. 1011, 1186 and 1182 .....	2,516 28
1878.				
Jan. 30	21	3252	H. P. Bridge, Controller, proceeds of cash loan for use of City Poor Fund, resolution of Council November 18, 1877. ....	4,500 00
				<u>\$166,418 65</u>
To Balance, January 31, 1878.....				149 269 74
				<u><u>\$315,688 39</u></u>

CR.

By Balance, January 31, 1877.....		\$187,841 12
Appropriation of 1877.....		5,000 00
Street Paving Bonds paid.....	\$ 18,519 35	
Manistee County Bonds sold.....	10,288 49	
Interest on Street Paving Bonds.....	9,946 92	
Interest on Manistee Bonds.....	400 00	
Interest on Public Sewer Bonds.....	7,713 00	
Interest on Cash Loans .....	1,121 06	
Cash Loans paid.....	56,850 00	
		104,838 82
Contingent Fund transferred.....	\$31,000 00	
Stone Pound Fund transferred.....	2,477 14	
House of Correction Fund transferred.....	228 54	
Lateral Sewer Refunding transferred.....	1,500 00	
Interest on Deposits transferred .....	7,419 76	
Persons Unknown transferred.....	967 98	
Aggregate City Bids transferred.....	3,644 58	
Percentage of 1875.....	79 01	
Percentage of 1876.....	15,173 99	
Percentage of 1877 .....	5,517 45	
		68,008 45
		\$315,688 39

## STREET PAVING SINKING FUND.

Date. Voucher. Warrant.				Dr.
1877.				
Feb. 14	1	118	Fisher, Booth & Co., purchase of Street Paving Bonds Nos. 900, 901, 902 and 908..	\$4,683 88
	20	2	169 Nicholas Zang, payment of Street Paving Bond No. 511.....	500 00
April 4	3	467	E. Robinson & Co., purchase of Bonds Hastings Street No. 1027 and Gratiot Street 994.....	1,914 51
	5	4	470 E. Robinson & Co., purchase of Bond Fourth Street No. 1073.....	523 33
	7	5	527 E. Robinson & Co., purchase of Bonds Farrar Street No. 1009.....	888 63
	9	6	528 E. Robinson & Co., purchase of Bonds Fourth Street Nos. 1074 and 1075, and Hastings Street No. 1026.....	2,093 33
	12	7	580 Wm. Foxen, purchase of Bonds Nos. 806, 809, 810, 811, 813, 814, 816, 817, 890, 1023, 1024, 1025, 1102, 1103, 1104, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122 and 1114 .....	17,717 49
June 1	8	935	Wm. Parkinson, payment of Bond No. 649, Jefferson Avenue.....	500 00
	28	9	1202 Detroit Savings Bank, payment of Bonds Nos. 784, 785 and 789.....	2,071 18
July 16	10	1415	Detroit Savings Bank, payment of Bonds Nos. 796, 797, 798, 799, 804.....	4,886 66
	28	11	1536 Detroit Savings Bank, payment of Bond No. 855 .....	598 26
	30	12	1539 German American Bank, payment of Bonds Nos. 823 and 824.....	1,619 98
	31	13	1543 Detroit Savings Bank, payment of Bonds Nos. 842, 831, 828, 836, 841, 835, 880 and 881.	5,881 22
Aug. 4	14	1610	H. P. Bridge, payment of Bond No. 873.	2,513 50
	28	15	1850 German American Bank, payment of Bond No. 1033.....	525 87
	29	16	1854 J. E. Stewart, purchase of Bond No. 1066 .....	538 16
Sept. 4	17	1927	Joseph Granger, payment of Bonds Nos. 1061 and 1062.....	1,000 00
	4	18	1929 Detroit Savings Bank, payment of Bonds Nos. 931, 937, 923, 923, 1063 and 1064....	4,449 64
	11	19	2010 Detroit Savings Bank, payment of Bonds Nos. 899, 904, 907 and 916. ....	3,911 87

Date.	Voucher.	Warrant.			
Sept. 13	20	2015	Wm. Parkinson, Treasurer, payment of Nos. 670, 671, 672, 673, 674, 691, 676, 679, 682, 687, 688, 703, 707, 709, 819, 1059, 700, 1088, 947, 728, 732, 715 and 712.....	\$17,707 91	
Oct. 19	21	2414	Jeremiah Godfrey, payment of Bonds Nos. 752, 753 and 972.....	3,000 00	
Nov. 5	22	2539	German American Bank, payment of Bonds Nos. 757, 762 and 763.....	2,640 22	
Dec. 14	23	2908	Joseph Granger, payment of Bond No. 1126 .....	570 46	
	15	24	2916	Peter Dunn, purchase of Bonds Nos. 1200, 1201 and 1203.....	1,968 57
	21	25	2988	Wm. Parkinson, Treasurer Sinking Fund, payment of Bond No. 754.....	811 44
				<hr/>	
				\$83,515 11	
				37,173 32	
				<hr/>	
				\$120,688 43	

			C.R.	
By Balance, January 31, 1877.....			\$10,813 73	
Payments on parts 2, 3 and 4, Assessment Rolls.....			<u>109,874 70</u>	<u>\$120,688 43</u>

## INTEREST FUND.

Date. Voucher. Warrant.				DR.
1877.				
Feb.	1	1	Detroit Savings Bank, coupons paid. ....	\$1,942 50
		2	German American Bank, coupons paid. ....	682 50
		3	First National Bank, coupons paid. ....	5,022 50
	6	4	First National Bank, coupons paid. ....	385 00
		5	Wm. Parkinson, City Treasurer, coupons paid. ....	420 00
	9	6	American National Bank, coupons paid. ....	1,120 00
March	1	7	Detroit Savings Bank, coupons paid. ....	455 00
		3	Wm. Parkinson, City Treasurer, coupons paid. ....	385 00
		6	First National Bank, coupons paid. ....	5,390 00
	8	10	Wm. Parkinson, City Treasurer, coupons paid. ....	262 50
April	3	11	Wm. Parkinson, City Treasurer, coupons paid. ....	4,335 00
		4	First National Bank, coupons paid. ....	2,205 00

## CITY CONTROLLER.

39

Date.	Voucher.	Warrant.			
April	18	13	582	Wm. Parkinson, City Treasurer, coupons paid.....	\$437 50
May	4	14	671	First National Bank, coupons paid.....	6,545 00
	25	15	863	Wm. Parkinson, City Treasurer, coupons paid.....	480 00
June	2	16	969	Wm. Parkinson, City Treasurer, coupons paid.....	1,155 00
	5	17	998	Wm. Parkinson, City Treasurer, coupons paid.....	297 50
	15	18	1073	German American Bank, coupons paid.....	350 00
	20	19	1231	Wm. Parkinson, City Treasurer, coupons paid.....	70 00
July	5	20	1287	Wm. Parkinson, City Treasurer, coupons paid.....	560 00
	6	21	1342	First National Bank, coupons paid.....	8,995 00
	11	22	1346	Wm. Parkinson, City Treasurer, coupons paid.....	175 00
	20	23	1406	American National Bank, coupons paid.....	280 00
	24	24	1477	Wm. Parkinson, City Treasurer, coupons paid.....	70 00
	28	25	1542	Wm. Parkinson, City Treasurer, coupons paid.....	35 00
	31	26	1545	C. L. Ford, coupons paid.....	70 00
Aug.	1	27	1549	Detroit Savings Bank, coupons paid.....	2 080 00
	2	28	1551	Wm. Parkinson, City Treasurer, coupons paid.....	87 50
	29		1552	German American Bank, coupons paid.....	770 00
	3	30	1555	First National Bank, coupons paid.....	3,727 50
		31	1602	American National Bank, coupons paid.....	280 00
		32	1609	J. C. Holmes, coupons paid.....	35 00
	6	33	1616	Wm. Parkinson, City Treasurer, coupons paid.....	105 00
	7	34	1617	Wm. Parkinson, City Treasurer, coupons paid.....	35 00
	9	35	1622	American National Bank, coupons paid.....	1,065 00
		36	1624	Wm. Parkinson, City Treasurer, coupons paid.....	70 00
	22	37	1781	Wm. Parkinson, City Treasurer, coupons paid.....	140 00
Sept.	1	38	1921	Wm. Parkinson, City Treasurer, coupons paid.....	455 00
	3	39	1923	Wm. Parkinson, City Treasurer, coupons paid.....	122 50
	5	40	1981	First National Bank, coupons paid.....	5,337 50
	10	41	2009	Wm. Parkinson, City Treasurer, coupons paid.....	140 00
	18	42	2079	Wm. Parkinson, Treasurer, coupons paid.....	105 00
	25	43	2149	Wm. Parkinson, Treasurer, coupons paid.....	175 00
Oct.	4	44	2199	Wm. Parkinson, Treasurer, coupons paid.....	175 00
	6	45	2266	First National Bank, coupons paid.....	2,940 00
	17	46	2350	Wm. Parkinson, Treasurer, coupons paid.....	70 00

Date.	Voucher.	Warrant.			
Nov.	8	47	2537	First National Bank, coupons paid.....	\$6,545 00
	8	48	2562	Wm. Parkinson, Treasurer, coupons paid..	87 50
	12	49	2609	American National Bank, coupons paid....	350 00
	26	50	2728	American National Bank, coupons paid....	815 00
Dec.	8	51	2776	Detroit Savings Bank, coupons paid.....	1,155 00
	7	52	2841	German American Bank, coupons paid....	350 00
		53	2842	Wm. Parkinson, Treasurer, coupons paid..	280 00
	10	54	2849	F. M. Joslin, coupons paid... ..	70 00
	21	55	2906	Wm. Parkinson, Treasurer, Sinking Fund coupons held by Sinking Fund.....	6,335 00
1878.					
Jan.	3	56	3068	Wm. Parkinson, Treasurer, coupons paid..	437 50
	4	57	3103	Wm. Parkinson, Treasurer, coupons paid..	157 50
	9	58	3109	First National Bank, coupons paid.....	10,152 50
	10	59	3114	Wm. Parkinson, Treasurer, coupons paid..	52 50
	18	60	3185	Wm. Parkinson, Treasurer, coupons paid..	140 00
					<hr/>
To Balance, January 31, 1878.....					\$96,347 50
					13,581 98
					<hr/>
					\$99,929 48
					<hr/>
CR.					
By Balance, January 31, 1877.....					\$10,625 14
Appropriation of 1877. ....					\$83,625 00
Interest on Public Sewer Bonds.....					3,481 27
City Bids, transferred.....					2,198 07
					<hr/>
					89,304 34
					<hr/>
					\$99,929 48

## STREET PAVING INTEREST FUND.

Date.	Voucher.	Warrant.		DR.
1877.				
Feb.	8	1	57 Philip Dorr, interest refunded on paving assessment .....	5 39
	19	2	167 George Bamlet, interest refunded on paving assessment .....	64
		3	167 George Bamlet, interest refunded on paving assessment .....	94
		4	167 Richard Coggar, interest refunded on pav- ing assessment .....	65
	20	5	170 Nicholas Zang, coupons paid.....	105 00
		6	212 Michael Malory, interest refunded on pav- ing assessment.....	1 76

## CITY CONTROLLER.

41

Date. Voucher. Warrant.				
Feb. 20	7	212	Denis Hoban, interest refunded on paving assessment .....	\$ 52
	8	212	R. Pender, interest refunded on paving assessment.....	3 36
	9	309	A. Litman, interest refunded on paving assessment.....	2 28
	10	309	Frank Weber, interest refunded on paving assessment .....	1 45
	11	309	Mary Corcoran, interest refunded on paving assessment .....	6 92
March 24	12	411	Mrs. Joseph Elder, interest refunded on paving assessment.....	2 20
	13	411	Reuben Moore, interest refunded on paving assessment.....	2 28
	14	411	H. H. Ladd, interest refunded on paving assessment .....	4 24
April 3	15	464	M. A. Damm, interest refunded on paving assessment.....	1 29
	16	464	John O'Brien, interest refunded on paving assessment .....	86
	17	464	J. B. Peters, interest refunded on paving assessment.....	2 59
	18	465	Tim Donahue, interest refunded on paving assessment .....	14 20
May 1	19	672	Mrs. Mary Martin, interest refunded on paving assessment .....	8 40
	20	672	Peter Blaser, interest refunded on paving assessment .....	5 71
	21	672	Andrew Chegulin, interest refunded on paving assessment.....	46
	22	672	Mary Lazer, interest refunded on paving assessment .....	44
	5	729	F. A. Blades, interest refunded on paving assessment .....	15 16
	24	729	Mrs. M. M. Hall, interest refunded on paving assessment .....	8 11
	8	734	Daniel J. Springer, interest refunded on paving assessment.....	13 57
	15	810	H. Parmalee, interest refunded on paving assessment .....	84
	25	901	Wm. Heff, interest refunded on paving assessment.....	12 48
June 1	28	936	Wm. Parkinson, City Treasurer, coupons paid.....	105 00
	9	1067	D. C. Hart, interest refunded on paving assessment .....	3 29
	30	1067	Ed. Hems, interest refunded on paving assessment .....	83
	31	1067	S. S. Russell, interest refunded on paving assessment.....	2 17

Date.	Voucher.	Warrant.		
June 12	32	1074	Chas. Collins, interest refunded on paving assessment.....	\$ 19
	33	1074	A. Richmond, interest refunded on paving assessment.....	4 90
15	34	1074	J. Echlin, interest refunded on paving assessment.....	4 81
16	35	1074	Joseph Granger, interest refunded on paving assessment.....	4 65
	36	1074	Mrs. Mary Dinman, interest refunded on paving assessment.....	11
	37	1290	Fred Klatt, interest refunded on paving assessment.....	3 31
	38	1290	E. Benham, interest refunded on paving assessment.....	1 00
	39	1290	Nancy J. Brock, interest refunded on paving assessment.....	21
	40	1203	Detroit Savings Bank, coupons paid.....	299 97
	41	1290	Wm. R. Read, interest refunded on paving assessment.....	2 93
	42	1290	S. McLaughlin, interest refunded on paving assessment.....	11
July 7	43	1343	Thos. J. Craft, interest refunded on paving assessment.....	64
	44	1343	R. D. Robinson, interest refunded on paving assessment.....	62
	45	1343	Wm. Burton, interest refunded on paving assessment.....	42
	46	1343	H. P. Wetmore, interest refunded on paving assessment.....	10
	47	1343	W. S. Rathbun, interest refunded on paving assessment.....	17
	10	48	1413 E. C. Hinsdale, interest refunded on paving assessment.....	8 76
	14	49	1413 James A. Taylor, interest refunded on paving assessment.....	7 37
	16	50	1416 Detroit Savings Bank, coupons paid.....	624 14
	51	1463	E. Blackman, interest refunded on paving assessment.....	6 39
	28	52	1537 Detroit Savings Bank, coupons paid.....	83 76
	30	53	1540 German American Bank, coupons paid....	226 80
	31	54	1544 Detroit Savings Bank, coupons paid.....	223 37
Aug. 4	55	1611	H. P. Bridge, coupons paid.....	351 89
	56	1701	F. S. Deming, interest refunded on paving assessment.....	9 14
	14	57	1722 G. Pfefferkorn, interest refunded on paving assessment.....	1 96
	58	1722	H. C. Frank, interest refunded on paving assessment.....	5 70
	21	59	1840 John Ward, interest refunded on paving assessment.....	9 60

Date.	Voucher.	Warrant.			
Aug.	25	60	1840	Samuel Andrews, interest refunded on paving assessment.....	\$5 86
	28	61	1851	German American Bank, coupons paid....	36 81
Sept.	4	62	1928	Joseph Granger, coupons paid.....	70 00
		63	1930	Detroit Savings Bank, coupons paid.....	521 48
	11	64	2011	Detroit Savings Bank, coupons paid.....	547 66
	13	65	2017	Wm. Parkinson, City Treasurer, coupons paid.....	4,140 50
		66	2016	Wm. Parkinson, City Treasurer, coupons paid.....	3,441 52
	18	67	2138	Edward Leonard, interest refunded on paving assessment.....	1 08
		68	2138	Wm. Farr, interest refunded on paving assessment.....	64
	25	69	2194	Thomas Payne, interest refunded on paving assessment.....	5 15
		70	2194	Susan Dixon, interest refunded on paving assessment.....	3 39
	29	71	2194	John Sexton, interest refunded on paving assessment.....	10 38
		72	2194	M. Rosenberger, interest refunded on paving assessment.....	1 80
		73	2194	J. B. Schwenck, interest refunded on paving assessment.....	1 66
Oct.	6	74	2265	Thomas McGregor, interest refunded on paving assessment.....	6 68
		75	2265	G. & R. McMillan, interest refunded on paving assessment.....	6 35
		76	2265	Wm. Rochford, interest refunded on paving assessment.....	1 39
	9	77	2344	A. P. Morrman, interest refunded on paving assessment.....	14 07
	13	78	2344	Joseph Elder, interest refunded on paving assessment.....	16 64
		79	2344	Joseph Kuhn, interest refunded on paving assessment.....	2 01
		80	2314	Jeremiah Godfrey, coupons paid.....	556 51
		81	2420	Elisha Cross, interest refunded on paving assessment.....	7 71
	30	82	2535	C. Smeaton, interest refunded on paving assessment.....	1 07
Nov.	5	83	2540	German American Bank, coupons paid....	554 44
	9	84	2606	Wm. Foxen, interest refunded on paving assessment.....	16 71
	10	85	2606	A. Morass, interest refunded on paving assessment.....	3 75
	13	86	2664	Charles Noble, interest refunded on paving assessment.....	4 71
		87	2664	Wm. M. Johnson, interest refunded on paving assessment.....	5 90



Date.	Voucher.	Warrant.			
Dec.	4	88	2845	Marcus Freund, interest refunded on paving assessment.....	\$6 44
		89	2845	E. M. Lightner, interest refunded on paving assessment.....	8 55
	8	90	2845	C. E. Swales, interest refunded on paving assessment.....	1 53
	11	91	2915	Thos. Beck, interest refunded on paving assessment.....	29 45
		92	2915	Mary Lane, interest refunded on paving assessment.....	84
	14	93	2904	Joseph Granger, coupon paid.....	39 93
	18	94	2990	Augustus Sturmer, interest refunded on paving assessment.....	72
	31	95	2987	Wm. Parkinson, Treasurer, coupons paid on Street Paving Bonds held by Sinking Fund.....	5,676 88
		96	2989	Wm. Parkinson, Treasurer, coupons paid on Street Paving Bonds held by Sinking Fund.....	170 40
		97	2990	George Wreford, interest refunded on paving assessment.....	1 83
1878.					
Jan.	8	98	3148	M. Byrne, interest refunded on paving assessment.....	7 56
		99	3148	Alex. King, interest refunded on paving assessment.....	3 00
	100		3148	A. J. Scott, interest refunded on paving assessment.....	66
	22	101	3244	Geo. C. Codd, interest refunded on paving assessment.....	10 79
					<hr/>
					\$18,810 02
To Balance, January 31, 1877.....					10,629 08
					<hr/>
					\$29,439 10

CR.

By Payments into the Treasury, being interest on parts 1, 2 and 3 of Assessment Rolls.....	\$5,419 13
Balance, January 31, 1878.....	24,019 97
	<hr/>
	\$29,439 10
	<hr/>

## GENERAL FUND.

Date. Voucher. Warrant.				Dr.	
1877.					
Feb.	1	1	4	George W. Hough, bell dusters for janitors,	\$8 25
		2	5	Pay-roll Laborers, cleaning City Hall.....	21 50
		3	6	William Jones, burying dead animals, E. D.	32 88
		4	7	George W. Hough, brooms.....	50
	3	5	47	John J. Beauchemin, laying carpet linen in Council Chamber.....	2 80
	6	6	64	Wm. Parkinson, stamp ribbon and repair- ing stamp.....	2 00
		7	65	C. W. Hamilton, care of tower clock, etc., 3 months.....	31 25
		8	66	Peter Copper, carting ashes from City Hall .....	6 00
		9	67	Pay-roll laborers, cleaning City Hall.....	15 50
		10	68	John Reidel, burying dead animals, W. D...	31 25
	12	11	110	J. H. Kaple, P. M., postage stamps, Re- ceiver of Taxes' office.....	5 00
		12	111	J. H. Kaple, P. M., postage stamps, Con- troller's office.....	5 00
	13	13	124	James L. Fisher, hardware.....	2 05
		14	125	Farrand, Williams & Co., oil for Janitors..	35
		15	126	A. E. Viger, coal for Market.....	51 18
		16	127	Pay-roll laborers, cleaning City Hall.....	18 00
	14	17	114	J. H. Kaple, P. M., postage stamps, Mayor's office.....	8 00
	20	18	178	Pay-roll City Officers, February .....	3,450 50
		19	178	Pay-roll Assistant City Controller and Clk's, February.....	272 66
		20	178	Pay-roll Assistant City Treasurer and Clk's, February .....	322 16
		21	178	Pay-roll Assistant City Clerk and Clerks, February .....	341 66
	22	178	178	Pay-roll Receiver of Taxes' office, February,	344 66
	23	178	178	Pay-roll Deputy City Collector, February..	72 00
	24	178	178	Pay-roll Assistants in Assessor's office, Feb- ruary.....	716 66
	25	178	178	Pay-roll Assistants in Engineer's office, February .....	408 00
	26	178	178	Pay-roll Clerk in City Attorney's office, Feb- ruary .....	88 33
	27	178	178	Pay-roll Secretary and Clerks, Board of Public Works office, February.....	413 00
	28	178	178	Pay-roll Clerks in Mayor's office, February,	72 00
	29	178	178	Pay-roll Deputy Director of the Poor, Feb- ruary .....	100 00

Date.		Voucher.	Warrant.		
Feb.	20	30	178	Pay-roll Engineer and Fireman, February,	\$154 00
		31	178	Pay-roll Police Justice and Clerk, February,	116 00
		32	178	Pay-roll Janitors City Hall, February.....	196 00
		33	178	Pay-roll Poundmasters, E. and W. District, February .....	120 00
		34	178	Pay-roll Assistant Clerk of Market, Febru- ary .....	48 00
		35	178	Pay-roll Laborers, cleaning.....	18 50
		36	179	M. S. Smith & Co., Market Clerks' badges..	4 00
27	37	223		Jeremiah O'Conner, burying dead animals, W. D.....	27 06
		39	224	Pay-roll Laborers, cleaning, February 17 to 24 .....	15 50
March 1	40	218		J. H. Kaple, P. M., postage stamps, City Clerk's office.....	5 00
	6	41	253	Pay-roll sundry persons revising and copy- ing Registry List.....	107 83
		42	254	Pay-roll Laborers, cleaning City Hall.....	20 75
		43	255	George Crabbe, balance of salary as Pound Master .....	5 00
		44	256	Peter Copper, drawing away ashes from City Hall.....	4 50
		45	257	E. W. Stoddard, padlock and tools for Jan- itor.....	42 08
		46	258	James L. Fisher, locks, key blanks, etc....	13 09
		47	259	Jacob Kolb, burying dead animals, E. D...	25 00
		48	260	Wm. P. Fuller, cleaning carpets.....	3 60
18	49	310		John D. Walker & Co., posting registration and tax lists.....	30 00
		50	311	John J. Beauchemin, laying carpet, Board of Public Works office.....	5 85
		51	312	Wm. J. Young & Sons, repairs to instru- ments for City Engineer .....	16 06
		52	313	Wohnlich & Zabriskie, stamps for Market..	1 50
		53	314	John P. Fiske, spittoons .....	10 00
		54	314	Pay-roll Laborers, cleaning City Hall.....	15 00
20	55	388		Pay-roll Laborers, cleaning City Hall.....	17 50
		56	389	Wm. & Chas. Maers, charcoal for City Hall.	7 60
		57	390	Calvert Lithographing Co., maps... ..	25 00
24	58	413		John Johnston, for barricade, 2d District, 8th Ward.....	5 00
27	59	421		Pay-roll City officers, March .....	3,441 67
	60	421		Pay-roll Assistant City Controller and Clks, March.....	292 16
		61	421	Pay-roll Assistant City Treasurer and Clks, March.....	292 16
		62	421	Pay-roll Assistant City Clerk and Clerks, March.....	359 66
		63	421	Pay-roll Clerks in Receiver of Taxes' office, March.....	373 16
		64	421	Pay-roll Deputy City Collector, March.....	81 00

## CITY CONTROLLER.

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Date.		Voucher.	Warrant.		
March	27	65	421	Pay-roll Clerk in the City Attorney's office, March.....	\$63 33
		66	421	Pay-roll Assistants in City Engineer's office, March.....	459 00
		67	421	Pay-Roll Assistants in Assessor's office, March.....	791 66
		68	421	Pay-roll Secretary and Clerks Board of Pub- lic Works, March.....	449 00
		69	421	Pay-roll Clerk in Mayor's office, March....	81 00
		70	421	Pay-roll Engineer and Fireman.....	180 75
		71	421	Pay-roll Deputy Director of the Poor.....	100 00
		72	421	Pay-roll Janitors City Hall.....	222 75
		73	421	Pay-roll Police Justice and Clerk.....	116 66
		74	421	Pay-roll Pound Masters E. and W. Districts,	120 00
		75	421	Pay-roll Assistant Market Clerk.....	54 00
		76	477	Pay-roll Laborers, cleaning.....	15 50
		78	423	Jacob Kolb, burying dead animals, E. D....	25 00
		79	424	Joseph Locke, burying dead animals, W. D.,	27 08
		80	425	Farrand, Williams & Co., lard oil for Jani- tors.....	20
		81	426	Calvert Lithographing Co., repairing Fire Commissioners' Certificate.....	50 00
		82	427	G. H. & E. L. Schmitt, brooms, soap, etc....	12 63
		83	428	Jacob Welz, key blanks.....	4 70
		84	429	Guy F. Hinchman & Co., glass globes, oil, etc.....	6 35
	27	85	430	John Campbell, postage stamps, Board of Public Works office.....	5 00
		86	431	George F. Case, painting wagon.....	10 00
		87	432	Benj. Brett, repairing City Hall flag.....	3 00
		88	433	Pay-roll Board of Registration, March.....	784 00
April	3	89	478	Dudley B. Woodbridge, rent of Woodbridge Grove from May 1 to February 1.....	275 00
		90	479	Detroit Free Press Co., notices City Boards of Registration.....	1 13
		91	480	Peter Copper, carting away ashes from City Hall.....	5 00
	6	92	476	Pay-roll Laborers cleaning City Hall, week ending March 30.....	15 50
		93	524	Pay-roll Inspectors and Clerks of Election,	1,380 00
		94	525	Pay-roll Places of Registration and Elec- tion.....	575 00
	10	95	533	Max Hochgraef, signature stamp "H. P. Bridge, Controller".....	7 00
		96	534	A. E. Viger, coal for Market.....	30 96
		97	535	T. B. Rayl & Co., sprinkler for Market.....	2 00
		98	533	J. H. Kaple, P. M., postage stamps, Con- troller's office.....	5 00
		99	536	Kirchberg, Winterhalter & Keenan, furni- ture, Pound, E. D.....	3 50
	100	537		Pay-roll Laborers cleaning City Hall, week ending April 7.....	6 50

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Date. Voucher. Warrant.				
April 17	101	586	Pay-roll Laborers cleaning City Hall, week ending April 14.....	\$6 50
24	102	613	Pay-roll City officers, April.....	3,441 67
	108	614	Pay-roll Board of Review, April.....	240 00
	104	615	Pay-roll Assistant Controller and Clerks, April.....	279 16
	105	616	Pay-roll Assistant City Treasurer and Clks, April .....	261 16
	106	617	Pay-roll Assistant City Clerk and Clerks, April .....	341 66
	107	618	Pay-roll Assistant Receiver and Clerks, April .....	458 16
	108	619	Pay-roll Retiring Clerks Receiver's office, April .....	49 00
	109	620	Pay-roll Clerks City Assessor's office, April, .....	521 66
	110	621	Pay-roll Clerk Mayor's office, April.....	75 00
	111	622	Pay-roll Secretary and Clerks Board of Public Works, April.....	425 00
	112	623	Pay-roll Assistants in City Engineer's office, April .....	337 50
	113	624	Pay-roll Deputy Director of the Poor, April, .....	100 00
	114	625	Pay-roll Police Justice and Clerks, April..	116 66
	115	626	Pay-roll Deputy City Collector, April.....	75 00
	116	627	Pay-roll Assistant Clerk of Market, April..	50 00
	117	628	Pay-roll Pound Masters, April.....	120 00
	118	629	Pay-roll Engineer City Hall, April....	100 00
	119	630	Pay-roll Janitors, City Hall, April.....	206 25
	120	631	Pay-roll Laborers cleaning City Hall, week ending April 21.....	6 50
	121	651	Deans, Brow & Godfrey, painting life preserver signs.....	8 36
	122	650	Samuel Hawman, repairing lamps.....	50 90
	123	647	Jacob Kolb, burying dead animals, E. D., April .....	25 00
	124	648	American Express Co., express charges...	40
	125	649	Pay-roll Clerk City Attorney's office, April, .....	83 33
	126	720	John J. Beauchemin, laying carpet Gas Inspector's office.....	4 50
	127	666	J. H. Kaple, P. M., postage stamps, City Attorney's office.....	5 00
30	128	667	J. H. Kaple, P. M., postage stamps City Clerk's office.....	5 00
May 1	129	673	Pay-roll Fireman City Hall, April.....	56 25
	130	674	Pay-roll Laborers cleaning City Hall, week ending April 28.....	6 50
	131	675	Joseph Locke, burying dead animals, W. D., April.....	27 08
8	132	735	Pay-roll Retiring Clerks City Clerk's office, .....	54 00
	133	736	Pay-roll City Sexton, quarter ending April 18 .....	50 00
	134	737	Pay-roll Laborers cleaning around City Hall .....	18 75

Date.	Voucher.	Warrant.			
May	8	135	737	Pay-roll Laborers cleaning City Hall, week ending May 5. ....	\$6 50
		136	738	Edgehill W. Hamilton, care of clocks, 3 months .....	31 25
		137	739	Mortimer Tinsbloom, furnishing paste scrap-books .....	2 50
		138	740	Bernard Reilley, repairs to pound, W. D...	1 43
		139	741	J. P. Donaldson & Co., 1 Russ lead line.....	4 40
		140	742	James L. Fisher, brooms for City Hall.....	5 50
		141	804	Henry Rhein, cleaning Market, 3 months ending April 30.....	50 00
15	142	811		Marcus Stevens, repairs to chairs, etc., City Hall.....	48 75
	143	812		C. E. Kelsey, balance of contract for ice...	30 00
	144	813		Pay-roll Laborers cleaning City Hall.....	8 50
	145	814		Walker & Foster, cleaning carpet, Receiver's office .....	3 25
	146	815		John B. Peters, repairing carpet Controller's office.....	2 00
	147	870		E. B. Smith & Co., stationery Board of Public Works.....	7 80
22	148	878		Pay-roll City officers, May....	3,441 67
	149	878		Pay-roll Clerk Mayor's office, May.....	81 00
	150	878		Pay-roll Assistant Controller and Clerks, May.....	222 17
	151	878		Pay-roll Assistant City Clerk and Clerks, May.....	197 66
	152	878		Pay-roll Clerks City Assessor's office, May, .....	602 66
	153	878		Pay-roll Clerks in Receiver's office, May....	445 16
	154	878		Pay-roll Clerk City Attorney's office, May, .....	83 23
	155	878		Pay-roll Deputy City Collector, May.....	81 00
	156	878		Pay-roll Deputy Director of the Poor.....	100 00
	157	878		Pay-roll Secretary and Clerks Board of Public Works, May .....	449 00
	158	878		Pay-roll Assistants City Engineer's office, May.....	364 50
	159	878		Pay-roll Police Justice and Clerks, May....	116 66
	160	878		Pay-roll Assistant Clerk of Market, May..	54 00
	161	878		Pay-roll Pound Masters, May.....	120 00
	162	878		Pay-roll Engineer and Fireman City Hall May.....	160 75
	163	878		Pay roll Janitors City Hall, May.....	222 75
	164	878		Pay-roll Laborers cleaning around City Hall.....	13 75
	165	878		Pay-roll Laborers cleaning in City Hall....	6 50
	166	879		Henry Rhein, cleaning Market .....	30 00
	167	880		Jacob Kolb, burying dead animals, E. D., .....	25 00
	168	881		Joseph Locke, burying dead animals, W. D., .....	27 08
22	169	882		Pay-roll Assistant City Treasurer and Cl'ks, May.....	222 16
	170	883		D. E. Morgan, putting up awning, City Hall,	6 00

Date.	Voucher.	Warrant.		
May 29	171	938	Deans, Brow & Godfrey, painting signs, Receiver's office.....	\$3 85
	172	939	M. Haller, rubber hose and truck for Market.....	17 85
	173	940	Laitner Bros., feather dusters, brushes, etc.....	13 55
	174	941	Pay-roll Laborers cleaning City Hall.....	6 50
	175	942	William A. Wain, repairing tools engineer City Hall.....	2 64
June 5	176	1003	Pay-roll Laborers cleaning around City Hall.....	15 00
	177	1008	Pay-roll Laborers cleaning City Hall.....	6 50
	178	1004	Peter Copper, carting away ashes from City Hall.....	4 50
	179	997	J. H. Kaple, P. M., postage stamps, Controller's office.....	6 00
	180	999	J. H. Kaple, P. M., postage stamps, Receiver's office.....	10 00
12	181	1075	Farrand, Williams & Co., sponges, etc.....	2 88
	182	1076	Jas. Flower & Co., gas tongs.....	2 78
	183	1077	Pay-roll Laborers cleaning City Hall.....	6 50
	184	1071	J. H. Kaple, P. M., postage stamps, City Clerk's office.....	7 00
	185	1071	J. H. Kaple, P. M., postage stamps City Treasurer's office.....	6 00
19	186	1144	D. B. Woodbridge, guardian, rent of Hay and Wood Market W. D., from February 1 to May 1, 1877.....	125 00
	187	1145	Board of Water Commissioners, water City Hall and Markets 6 months to July 1..	100 00
	188	1146	A. E. Viger, 5 tons coal City Hall.....	33 70
	189	1147	F. Wetmore & Co., glass globes for Council Chamber.....	1 50
	190	1148	Henry Rhein, cleaning Market month ending June 20. ....	20 00
	191	1149	Pay-roll Laborers from June 2 to June 15,	15 00
	192	1149	Pay-roll Laborers cleaning City Hall week ending June 16. ....	6 50
26	193	1206	Pay-roll City officers, June.....	3,441 67
	194	1206	Pay-roll Assistant Controllers and Clerks, June.....	285 66
	195	1206	Pay-roll Clerk in Mayor's office, June.....	78 00
	196	1206	Pay-roll Assistant City Treasurer and Cl'ks, June.....	285 66
	197	1206	Pay-roll Assistant City Clerk and Clerks, June.....	194 66
	198	1206	Pay-roll Assistant Receiver and Clerks, June.....	441 66
	199	1206	Pay-roll Clerks City Assessor's office, June,	584 66
	200	1206	Pay-roll Secretary and Clerks Board of Public Works, June.....	437 00

## CITY CONTROLLER.

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Date.	Voucher.	Warrant.			
June	26	201	1206	Pay-roll Clerks City Engineer's office, June,	\$351 00
		202	1206	Pay-roll Clerk City Attorney's office, June,	83 33
		203	1206	Pay-roll Deputy Director of Poor, June....	100 00
		204	1206	Pay-roll Deputy City Collector, June.....	78 00
		205	1206	Pay-roll Police Justice and Clerks, June....	116 66
		206	1206	Pay-roll Pound Masters, June.....	120 00
		207	1206	Pay-roll Assistant Clerk of Market, June..	52 00
	26	208	1206	Pay-roll Engineer and Fireman City Hall, June... ..	158 50
		209	1206	Pay-roll Janitors City Hall.....	214 50
		210	1206	Pay-roll Laborers cleaning City Hall, June 23.....	6 50
		211	1207	Jacob Kolb, burying dead animals, E. D., June.....	25 00
		212	1208	Joseph Locke, burying dead animals, W. D., June.....	27 08
		213	1209	Boydell Bros., paint brushes, etc.....	14 56
		214	1210	Nicholas Johannes, washing out Market...	2 00
July	8	215	1288	G. H. & E. L. Schmitt, brooms, soap, etc...	20 20
		216	1289	Pay-roll City Sexton, June.....	50 00
		217	1289	Pay-roll Laborers, cleaning City Hall.....	6 50
		218	1289	Pay-roll Laborers, cleaning around City Hall.....	15 00
		219	1290	Geo. W. Hough, feather dusters.....	11 25
		220	1339	J. H. Kaple, P. M., postage stamps, Receiv- er's office.....	5 00
	10	221	1348	E. W. Stoddard, washstand, etc., Receiver's office.....	12 90
		222	1349	James L. Fisher, brooms, etc.....	1 50
		223	1350	Jacob Welz, carpenters' tools, etc., City Hall.....	3 65
		224	1351	Pay-roll Laborers, cleaning City Hall.....	6 50
	17	225	1421	Peter Guenther, services 5 days as Police Justice.....	25 00
		226	1422	G. H. & E. L. Schmitt, brooms.....	6 00
		227	1423	Pay-roll Laborers, cleaning around City Hall.....	15 00
		228	1423	Pay-roll Laborers, cleaning in City Hall....	6 50
	23	229	1470	Pay-roll Clerk in Mayor's office, July.....	78 00
	24	230	1485	Pay-roll City officers, July.....	3,441 67
		231	1485	Pay-roll Assistant Controller and Clerks, July ... ..	285 67
		232	1485	Pay-roll Assistant City Clerk and Clerks, July .....	194 66
	233	1485	Pay-roll Assistant City Treasurer and Clk's, July .....	285 66	
	234	1485	Pay-roll Clerks Receiver of Taxes office, July .....	868 67	
	235	1485	Pay-roll Secretary and Clerks Board of Pub- lic Works, July.....	437 00	
	236	1485	Pay-roll Assistant in City Engineer's office, July .....	351 00	



Date.		Voucher.	Warrant.		
July	24	287	1485	Pay-roll Clerks in Assessor's office, July...	\$584 66
		288	1485	Pay-roll Deputy Director of the Poor, July,	100 00
		289	1485	Pay-roll Deputy City Collector, July.....	78 00
		240	1557	Pay-roll Clerk in City Attorney's office, July,	88 33
		241	1485	Pay-roll Police Justice and Clerks, July.....	116 66
		242	1485	Pay-roll Pound Masters, July.....	120 00
		243	1485	Pay-roll Engineer and Firemen, City Hall..	156 25
		244	1485	Pay-roll Assistant Clerk of Market.....	52 00
		245	1485	Pay-roll Janitors City Hall.....	214 50
		246	1485	Pay-roll Laborers cleaning City Hall.....	6 50
		247	1486	Henry Rhien, cleaning Market.....	20 00
		248	1487	Peter Copper, carting away ashes from City Hall.....	5 00
		249	1488	Jacob Kolb, burying dead animals, E. D....	25 00
		250	1489	Joseph Locke, burying dead animals, W. D.,	27 08
		251	1490	Roehm & Wright, extra time repairing clock.....	10 00
		252	1491	Farrand, Williams & Co., soap.....	1 50
		253	1492	J. W. Weeks & Co., 10 copies City Directory.	40 00
		254	1476	J. H. Kaple, P. M., postage stamps, Receiver's office.....	10 00
		255	1534	J. H. Kaple, P. M., postage stamps, Receiver's office.....	5 00
Aug.	2	256	1558	E. W. Neff, fire proof safe, Controller's office.....	75 00
		257	1559	Detroit News Co., 1 doz. adjustable files....	1 50
		258	1560	Pay-roll Laborers, watering streets.....	24 00
		259	1560	Pay-roll Laborers, cleaning around City Hall.....	15 00
		260	1560	Pay-roll Laborers, cleaning City Hall.....	6 50
		261	1553	J. H. Kaple, P. M., postage stamps, Receiver's office.....	5 00
		262	1626	Pay-roll Extra Clerks, receiver of Taxes office.....	342 50
		263	1627	Edgehill W. Hamilton, care City Hall clocks. etc. ....	31 25
		264	1628	J. W. Weeks & Co., 2 copies City Directory,	8 00
		265	1626	Pay-roll Laborers, cleaning City Hall ...	6 50
		266	1722	J. W. Weeks & Co., 2 copies City Directory,	8 00
		267	1724	Wm. Hull, candles for illuminating pur- poses.....	8 25
		268	1725	James Hartness, soft soap.....	2 00
		269	1726	Pay-roll Laborers, watering streets.....	24 00
		270	1726	Pay-roll Laborers, cleaning around City Hall .....	15 00
		271	1726	Pay-roll Laborers, cleaning City Hall.....	14 00
		272	1707	Commissioners of Sinking Fund, payment of cash loan .....	30,000 00
		273	1707	Commissioners of Sinking Fund, interest of cash loan.....	632 88
	21	274	1722	Pay-roll City officers, August.....	3,420 14

## CITY CONTROLLER.

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Date.	Voucher.	Warrant.	
Aug. 21	275	1782	Pay-roll Clerk, Mayor's office, August.....
	276	1782	Pay-roll Assistant Controller and Clerks, August.....
	277	1782	Pay-roll Assistant City Clerk and Clerks, August.....
	278	1782	Pay-roll Assistant City Treasurer and Cl'ks. August.....
	279	1782	Pay-roll Clerks Receiver of Taxes office, August.....
	280	1782	Pay-roll Clerks City Assessor's office, Aug..
	281	1782	Pay-roll Deputy Director of the Poor, Aug..
	282	1782	Pay-roll Deputy City Collector, August....
	283	1782	Pay-roll Clerk City Attorney's office, Aug.,
	284	1782	Pay-roll Police Justice and Clerk, August,
	285	1782	Pay-roll Pound Masters, August....
	286	1782	Pay-roll Assistant Clerk of Market.....
	287	1782	Pay-roll Engineer and fireman City Hall...
	288	1782	Pay-roll Janitors City Hall.....
	289	1782	Pay-roll Laborers Cleaning City Hall.....
21	290	1783	Henry Rhein, cleaning Market.....
	291	1784	Tenney & Reese (Chicago, Ill.), canceling stamps Controller's and Receiver's of- fice.....
	292	1785	Farrand, Williams & Co., oil for illuminat- ing purposes.....
	293	1786	F. Wetmore & Co., gas globes and wax tapers.....
	294	1787	Calvert Lithographing Co., field maps, City Assessor.....
	295	1788	Thomas A. Parker, wagon grease.....
	296	1789	Jacob Walz, tools for engineer City Hall..
	297	1782	Pay-roll Assistants in City Engineer's office, August.....
24	298	1839	Pay-roll Secretary and Clerks Board of pub- lic Works.....
	299	1839	Pay-roll Laborers, putting in coal.....
24	300	1417	J. H. Kaple, P. M., postage stamps Mayor's office.....
	301	1861	Theo. R. Chase, 301½ tons large egg coal, City Hall.....
	302	1862	Committee of arrangements, entertainment Buffalo officials.....
	303	1863	Jacob Kolb, burying dead animals, E. D., August.....
	304	1864	Joseph Locke, burying dead animals, W. D., August.....
	305	1865	W. E. Heames & Co., wheelbarrows, etc.....
	306	1866	Jas. P. Donaldson, marline cords, etc., illuminating purposes.....
	307	1867	Pay-roll Laborers, cleaning City Hall.....

Date.	Voucher.	Warrant.		
Aug. 28	306	1887	Pay-roll Laborers, cleaning around City Hall.....	\$15 00
	309	1887	Pay-roll Laborers, watering streets.....	24 00
Sept. 4	310	1926	J. H. Kaple, P. M., postage stamps City Collector's office.....	6 00
	311	1934	Peter Guenther, services 13 days as Police Justice.....	65 00
	312	1936	Edgehill W. Hamilton, care of tower clock, etc.....	10 43
	313	1936	James Hartness, 1 barrel soft soap.....	2 00
	314	1937	George W. Hough, varnish brush.....	1 00
	315	1938	Pay-roll Laborers, cleaning City Hall.....	6 50
11	316	2108	Byram, Nuppenau & Clark, bulletin boards City Hall.....	7 06
	317	2019	G. H. & E. L. Schmitt, matches and brooms,	8 25
	318	2020	Pay-roll Laborers, cleaning in City Hall....	6 50
	319	2020	Pay-roll Laborers, cleaning around City Hall.....	15 00
	320	2020	Pay-roll Laborers, watering streets.....	24 00
18	321	2020	J. H. Kaple, P. M., postage stamps City Treasurer's office .....	10 00
	322	2026	Boydell Bros., paints and brushes, engineer City Hall.....	7 70
	323	2027	J. P. Donaldson, bunting for repairs to flag,	1 40
	324	2028	Sarah Brett, repairing flag.....	2 50
	325	2029	John Smith, cleaning chimneys, City Hall..	2 50
	326	2020	Reed & Hill, glass.....	3 30
	327	2021	Pay-roll Laborers, cleaning in City Hall....	6 50
	328	2025	J. H. Kaple, P. M., postage stamps City Attorney's office.....	5 00
	329	2141	J. H. Kaple, P. M., postage stamps Mayor's office.....	5 00
25	330	2147	Pay-roll City officers, September.....	3,441 67
	331	2147	Pay-roll Clerk Mayor's office, September...	75 00
	332	2147	Pay-roll Assistant Controller and Clerks, September.....	279 16
	333	2147	Pay-roll Assistant City Clerk and Clerk, September.....	191 66
	334	2147	Pay-roll Assistant City Treasurer and Clerk, September.....	204 16
	335	2147	Pay-roll Clerks City Assessor's office, September.....	566 66
	336	2147	Pay-roll Clerks Receiver of Taxes office, September.....	579 16
	337	2147	Pay-roll Secretary and Clerks Board of Public Works, September.....	425 00
	338	2147	Pay-roll Clerk's City Engineer's office, September.....	337 50
	339	2147	Pay-roll Deputy Director of the Poor, September...	100 00
	340	2147	Pay-roll Clerk City Attorney's office, September.....	63 23

Date.		Voucher.	Warrant.		
Sept. 25	341	2147	Pay-roll Deputy City Collector, September.	\$75 00	
	343	2147	Pay-roll Police Justice and Clerks, September.....	116 66	
	343	2147	Pay-roll Assistant Clerk of Market, September.....	50 00	
	344	2147	Pay-roll Pound Masters, September.....	120 00	
	345	2147	Pay-roll Engineer and Fireman, City Hall, September.....	156 25	
	346	2147	Pay-roll Janitors City Hall, September.....	206 25	
	347	2147	Pay-roll Laborers, cleaning in City Hall....	6 50	
	348	2147	Pay-roll Laborers, cleaning around City Hall.....	15 00	
	349	2147	Pay-roll Laborers, watering streets .....	24 00	
	350	2149	Henry Rhein, cleaning Market to September 20... ..	20 00	
	351	2149	Jacob Kolb, burying dead animals, E. D., September.....	25 00	
	352	2150	Joseph Locke, burying dead animals, W. D., September.....	27 08	
	353	2151	Marcus Stevens & Co., repairs to furniture,	26 25	
Oct. 2	354	2203	J. Guthard & Son, brooms, etc.....	2 64	
	355	2204	M. Haller, step-ladder, etc., Clerk of Market.....	2 90	
	356	2205	James Hartness, 1 barrel soft soap.....	2 00	
	357	2206	Pay-roll Laborers, cleaning in City Hall....	6 50	
	358	2275	Pay-roll Laborers, watering streets.....	24 00	
	359	2275	Pay-roll Laborers, cleaning around City Hall.....	15 00	
	360	2275	Pay-roll Laborers, cleaning in City Hall....	6 50	
	361	2276	Thos. Nickless, furnishing paste for scrap-books 5 months....	2 50	
	362	2277	Peter Copper, carting away dirt from City Hall .....	2 00	
	363	2278	J. Guthard & Son, 2 doz. brooms, etc.....	9 20	
	364	2247	Jacob Wenk, peddler's license refunded, resolution of Council September 28, 1877.....	5 00	
	365	2256	Pay-roll City Sexton 3 months ending October 18.....	50 00	
	366	2256	Pay-roll Laborers, cleaning in City Hall....	6 50	
	367	2257	Geo. W. Hough, feather dusters.....	6 00	
	368	2258	Henry Rhein, cleaning Market to October 20.....	20 00	
18	369	2255	R. Bryant, peddler's license refunded, resolution of Council October 16, 1877.....	9 16	
	370	2423	Benjamin Meyer, 41 bushels charcoal.....	3 69	
23	371	2490	Pay-roll City officers, October.....	3,441 67	
	372	2490	Pay-roll Mayor's Clerk, October.....	81 00	
	373	2490	Pay-roll Assistant Controller and Clerks, October.....	292 17	
	374	2490	Pay-roll Assistant City Clerk and Clerks, October .....	197 66	

Date.	Voucher.	Warrant.		
Oct. 23	375	2490	Pay-roll Assistant Treasurer and Clerks, October.....	\$318 16
	376	2490	Pay-roll Clerks Receiver's office, October..	466 17
	377	2490	Pay-roll Secretary and Clerks Board of Public Works, October.....	449 00
	378	2490	Pay-roll Assistants in City Engineer's office, October.....	364 50
	379	2490	Pay-roll Assistant Assessors and Clerks in Assessor's office.....	872 66
	380	2490	Pay-roll Clerk City Attorney's office.....	88 33
	381	2490	Pay-roll Deputy Director of the Poor, October.....	100 00
	382	2490	Pay-roll Police Justice and Clerk, October....	116 66
	383	2490	Pay-roll Deputy City Collector, October....	81 00
	384	2490	Pay-roll Pound Masters, October.....	120 00
	385	2490	Pay-roll Assistant Clerk of Market, October.....	54 00
	386	2490	Pay-roll Engineer and Fireman, City Hall, October.....	160 75
	387	2490	Pay-roll Janitors City Hall, October.....	222 75
	388	2490	Pay-roll Laborers, cleaning in City Hall....	6 50
	389	2490	Pay-roll Laborers, cleaning around City Hall.....	15 00
	390	2490	Pay-roll Laborers, watering streets.....	24 00
	391	2425	John D. Walker & Co., posting registration notices.....	25 00
	392	2493	T. B. Rayl, bill of Hardware.....	4 45
	393	2427	J. P. Donaldson & Co., curtain cord .....	79
30	394	2496	Jacob Kolb, burying dead animals, E. D., October.....	25 00
	395	2497	Joseph Locke, burying dead animals, W. D., October.....	27 08
	396	2488	D. B. Woodbridge, guardian, rent of Wood and Hay Market W. D., May 1 to August 1, 1877.....	125 00
	397	2489	Jacob Welz, Yale lock, Council Chamber..	2 00
	398	2492	J. D. Morton, rubber stamp, Controller's office.....	2 50
	399	2493	Pay-roll Laborers, cleaning in City Hall....	6 50
	400	2493	Pay-roll Laborers, watering streets.....	16 00
	401	2494	T. R. Chase, 2 tons soft coal .....	8 00
	402	2495	Peter Copper, carting away ashes, etc., from City Hall.....	5 00
Nov. 5	403	2538	J. H. Kaple, P. M., postage stamps, Controller's office.....	5 50
9	404	2541	Board of Water Commissioners, water in City Hall and Market buildings, 6 mos. ending December 31, 1877.....	160 00
	405	2542	Calvert Lithographing Co., Warrant Books,	55 00
	406	2543	E. Chope & Son, repairing sprinkling wagon.....	1 80

## CITY CONTROLLER.

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Date.		Voucher.	Warrant.		
Nov.	9	407	2544	Pay-roll Laborers, cleaning around City Hall .....	\$15 00
		408	2544	Pay-roll Laborers, cleaning in City Hall ...	6 50
		409	2549	M. Haller, stove and pipe, Market office....	9 50
18	410	2611		D. B. Woodbridge, guardian, rent of ground, Wood and Hay Market, W. D., 8 mos. ending November 1, 1877.....	125 00
	411	2612		John Campbell, postage stamps.....	4 57
	412	2618		James L. Fisher, brooms.....	1 50
	413	2614		Schulte & Bro., 1 barrel soft soap.....	2 50
	414	2615		Pay-roll Laborers, cleaning in City Hall...	6 50
	415	2615		Pay-roll Registration and election expenses,	2,080 00
	416	2615		Pay-roll use of houses, registration and election.....	480 00
16	417	2663		Wm. Fehmerling, 102 bushels charcoal....	9 18
20	418	2670		Pay-roll City officers, November .....	3,441 67
	419	2670		Pay-roll Clerk Mayor's office, November...	78 00
	420	2670		Pay-roll Assistant City Controller and Cl'ks. November .....	285 67
	421	2670		Pay-roll Assistant City Clerk and Clerks. November .....	194 66
	422	2670		Pay-roll Assistant City Treasurer and Cl'ks. November.....	300 63
	423	2670		Pay-roll Clerks Receiver of Taxes office, November .....	421 16
	424	2670		Pay-roll Secretary and Clerks Board of Public Works, November.....	437 00
	425	2670		Pay-roll Assistants City Engineer's office, November .....	351 00
	426	2670		Pay-roll Assistant Assessors and Clerks Assessor's office.....	844 66
	427	2670		Pay-roll Clerk City Attorney's office, November.....	83 33
	428	2670		Pay-roll Deputy Director of the Poor, November .....	100 00
	429	2670		Pay-roll Police Justice and Clerks, November.....	116 66
	430	2670		Pay-roll Deputy City Collector, November..	78 00
	431	2670		Pay-roll Pound Masters, November.....	120 00
	432	2670		Pay-roll Assistant Clerk of Market, November.....	52 00
	433	2670		Pay-roll Engineer and Fireman City Hall, November .....	158 50
	434	2670		Pay-roll Janitors City Hall, November....	214 50
	435	2670		Pay-roll Laborers, cleaning in City Hall...	6 50
	436	2670		Pay-roll Laborers, cleaning around City Hall.....	15 00
	437	2671		Henry Rhein, cleaning market month ending November 20.....	20 00
	438	2672		T. R. Chase, 1 ton coal, clerk of Market....	5 20

Date.		Voucher.	Warrant.		
Nov.	24	439	2722	Pay-roll sundry persons building barricade election, November, 1877, resolution of Council, November 15, 1877.....	\$75 00
	27	440	2725	John R. Stirling, transcribing special assessments from 1849 to 1876.....	65 00
		441	2726	Jacob Kolb, burying dead animals, E. D., November .....	25 00
		442	2727	Joseph Locke, burying dead animals, W. D., November .....	27 08
		443	2728	Peter Copper, carting away ashes from City Hall.....	3 50
		444	2729	Pay-roll Laborers, cleaning in City Hall...	7 00
Dec.	4	445	2730	Simon Karrer, 1 doz. brooms, Market.....	3 00
		446	2731	Chas. Taylor, building barricade 1st District, 5th Ward.....	5 00
		447	2732	Henry Dewson, building barricade 1st District, 8th Ward .....	5 00
		448	2733	Pay-roll Laborers, cleaning in City Hall...	6 50
	11	449	2857	T. R. Chase & Co., 1 ton coal, Market.....	5 24
		450	2858	James Hartness, 2 barrels soft soap.....	4 00
		451	2859	James L. Fisher, tools, Board of Public Works .....	1 35
		452	2860	Pay-roll Laborers, cleaning in City Hall...	6 50
		453	2861	N. Johannes, charcoal, etc., Market.....	2 10
	14	454	2877	J. H. Kaple, P. M., postage stamps City Clerk's office.....	5 00
	18	455	2932	Pay-roll City officers, December. ....	3,441 67
		456	2932	Pay-roll Clerk Mayor's office, December...	78 00
		457	2932	Pay-roll Assistant City Controller and Clk's, December.....	285 66
		458	2932	Pay-roll Assistant City Clerk and Clerks, December.....	194 66
		459	2932	Pay-roll Assistant City Treasurer and Clk's, December.....	285 66
		460	2932	Pay-roll Clerks Receiver of Taxes office, December.....	381 16
		461	2932	Pay-roll Secretary and Clerks, Board of Public Works office, December.....	437 00
		462	2932	Pay-roll Assistant City Engineers, December.....	351 00
		463	2932	Pay-roll Assistant Assessors and Clerks in office, December.....	844 66
		464	2932	Pay-roll Clerk City Attorney, December...	83 33
		465	2932	Pay-roll Deputy Director of the Poor, December .....	100 00
		466	2932	Pay-roll Police Justice and Clerk, December.....	116 66
		467	2932	Pay-roll Deputy City Collector, December,	78 00
		468	2932	Pay-roll Pound Masters, December.....	190 00
		469	2932	Pay-roll Assistant to Clerk of Market, December.....	53 00

## CITY CONTROLLER.

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Date.	Voucher.	Warrant.		
Dec. 18	470	2932	Pay-roll Engineer and Fireman City Hall December.....	\$158 50
	471	2932	Pay-roll Janitors City Hall, December.....	214 50
	472	2932	Pay-roll Laborers cleaning in City Hall.....	6 50
	473	2933	Henry Rhein, cleaning Market to Decem- ber 20.....	20 00
	474	2934	Chas. Tegler, building barricade, 2d District, 6th Ward .....	3 00
	475	2935	Peter Copper, carting away ashes from City Hall .....	6 00
28	476	2936	Jacob Kolb, burying dead animals, E. D., December .....	25 00
	477	2934	Joseph Locke, burying dead animals, W. D., December.....	27 08
	478	2936	Wohnlich & Zabriskie, 700 newsboys' bd'gs,	140 00
	479	2936	M. Haller, stove-pipe, scuttle, etc., Market,	4 75
	480	2937	James Flower & Bro., brass castings....	90
	481	2938	Pay-roll laborers, cleaning City Hall.....	6 50
29	482	3045	Geo. N. Brady, ferry license refunded in part, resolution of Council December 21, 1877.....	55 56
	483	2940	Francis Raymond, fees for collection of old personal tax.....	71 81

1878.

Jan.	4	484	3048	Fulton Iron and Engine Works, hooks and bends .....	2 50
		485	3049	Deans, Brow & Godfrey, picture cord and hooks.....	35
		486	3050	Eugene MacMahon, lumber for stand, Treasurer's office.....	60
		487	3051	B. Youngblood, brooms and tacks.....	2 87
		488	3052	Pay-roll Laborers cleaning in City Hall....	6 50
	5	489	3105	J. H. Kaple, P. M., postage stamps, Mayor's office.....	10 00
	8	490	3111	Detroit Safe Co., 2 safe keys, Treasurer's office.....	2 00
		491	3112	Peter Copper, carting away ashes from City Hall.....	3 00
		492	3113	Pay-roll Laborers cleaning in City Hall.....	6 50
		493	3115	Thomas Nickless, mop rags, etc.....	9 50
		494	3116	E. A. Kirby, 1 doz. brooms, City Hall.....	3 50
		495	3117	James Hartness, 1 barrel soft soap....	2 00
	15	496	3150	Pay-roll Retiring Aldermen, January 1 to January 11.....	121 00
		497	3150	Pay-roll Retiring Board of Health, January 1 to January 11....	25 56
		498	3150	Pay-roll Laborers cleaning in City Hall....	6 50
		499	3151	Jacob Welz, locks and screws.....	2 97



Date. Voucher. Warrant.				
Jan. 18	500	3186	J. H. Kaple, P. M., 100 stamped envelopes, Gas Inspector.....	\$3 82
22	501	3189	Pay-roll City officers, January.....	3,476 88
22	502	3189	Pay-roll Clerk in Mayor's office, January..	82 31
	503	3189	Pay-roll Assistant Controller and Clerks, January.....	289 01
	504	3189	Pay-roll Assistant City Clerk and Clerks, January.....	206 66
	505	3189	Pay-roll Assistant City Treasurer and Cl'ks, January.....	298 16
	506	3189	Pay-roll Clerks Receiver of Taxes office, January.....	371 69
	507	3189	Pay-roll Secretary and Clerks Board of Public Works, January.....	449 00
	508	3189	Pay-roll Assistant City, Engineers, Janu- ary.....	348 00
	509	3189	Pay-roll Assistant Assessors and Clerks, January.....	872 66
	510	3189	Pay-roll Clerk City Attorney, January.....	91 66
	511	3189	Pay-roll Deputy Director of the Poor, Jan- uary.....	100 00
	512	3189	Pay-roll Police Justice and Clerks, Jan- uary.....	116 66
	513	3189	Pay-roll Deputy City Collector, January...	81 00
	514	3189	Pay-roll Pound Masters, January.....	110 00
	515	3189	Pay-roll Assistant Clerk of Market, Janu- ary.....	54 00
	516	3189	Pay-roll Engineer and Fireman and City Hall, January.....	180 75
	517	3189	Pay-roll Janitors, City Hall, January.....	219 25
	518	3189	Pay-roll laborers, cleaning City Hall.....	6 50
	519	3190	Henry Rhein, cleaning Market, to Janu- January 20.....	20 00
	520	3191	Jacob Kolb, burying dead animals, E. D., January.....	25 00
	521	3192	Joseph Locke, burying dead animals, W. D., January.....	27 12
	522	3193	Chas. M. Rousseau, preparing samples job printing contract.....	20 00
	523	3194	John Taylor, preparing samples job print- ing contract.....	20 00
	524	3195	J. D. Baker, preparing samples stationery contract.....	12 00
	525	3196	E. D. Shook, preparing samples stationery contract.....	10 00
	526	3197	M. P. Thatcher, express charges on reports to Paris, France.....	3 00
	527	3198	Garlick & Knapp, 1 doz. patent gas burners,	12 00
	528	3200	Philip Cramer, 34 bushels charcoal.....	2 04
	529	3201	Geo. C. Carter, hauling fountain covers....	18 00
	530	3202	Geo. W. Hough, feather dusters.....	11 00

Date.	Voucher.	Warrant.	
Jan. 25	531	3246	Farrand, Williams & Co., gum Tragacanth, \$1 00
	532	3247	James C. Carpenter, fire kindlings, Market, 2 50
	533	3248	T. R. Case, 3 tons of coal, Market..... 15 68
	534	3249	Pay-roll extra Clerk, City Clerk's office, 8 days, January..... 24 00
	535	3245	J. H. Kaple, P. M., postage stamps, Con- troller's office..... 5 00
			<hr/> \$130,553 76

## GENERAL FUND—CONDENSED, 1877.

Pay-roll City officers .....	\$41,322 00
Pay-roll Controller's office.....	3,431 81
Pay-roll Treasurer's office.....	3,427 93
Pay-roll City Clerk's office.....	2,890 92
Pay-roll Receiver of Taxes office.....	6,024 06
Pay-roll Board of Public Works office.....	5,256 00
Pay-roll Assessor's office.....	8,405 92
Pay-roll City Engineer's office.....	4,387 50
Pay-roll Clerk City Attorney.....	1,008 29
Pay-roll Deputy Director of the Poor ..	1,200 00
Pay-roll Deputy City Collector.....	939 00
Pay-roll Clerk in Mayor's office.....	940 21
Pay-roll Engineer and Fireman, City Hall.....	1,899 75
Pay-roll Police Justice and Clerk.....	1,489 26
Pay-roll Pound Masters.....	1,435 00
Pay-roll City Sexton .....	150 00
Pay-roll Janitors .....	2,578 75
Pay-roll Assistant Clerk of Market....	626 00
Pay-roll Laborers, cleaning.....	679 25
Pay-roll Board of Review.....	240 00
Pay-roll Aldermen .....	121 00
Pay-roll Board of Health.....	25 50
Burying dead animals .....	689 08
Postage .....	154 39
Hardware .....	126 95
Market expenses.....	390 36
Timekeeper.....	114 17
Registration and election expenses .....	5,491 06
Fuel for City Hall.....	1,802 40
Lithographing and maps.....	150 00
Rent of Wood Market.....	750 00
Repairing lamps.....	50 90

Furniture and repairs .....	\$102 90	
Safe.....	75 00	
Cash loan.....	30,000 00	
Interest on cash loan.....	632 88	
City Directory.....	56 00	
Entertainment of visitors.....	318 30	
Ice and water for City Hall .....	350 00	
Watering streets .....	184 00	
Preparing samples printing and stationery.....	62 00	
Transcribing special assessments.....	65 00	
Newsboys' badges.....	140 00	
Peddlers' license refunded.....	69 72	
Posting notices.....	25 00	
Collection fees .....	71 81	
Miscellaneous .....	404 19	
	<u>\$130,563 76</u>	
To Gas and Lamp Post Fund, transferred.....	\$46,293 17	
To Printing and Stationery Fund, transferred.....	12,240 64	
To Superior Court Fund, excess of expenses, transferred.....	18,026 77	
	<u>\$71,560 58</u>	
To Balance, January 31, 1878 .....		38,521 12
		<u>\$240,635 46</u>

		Cr.
By Balance, January 31, 1877.....		\$20,504 87
Appropriation, 1877.....		115,000 00
Rent of rooms in City Hall to Wayne County.....	\$12,000 00	
Rent of Hospital grounds.....	70 24	
Rent of dock foot of Joseph Campau avenue.....	67 62	
Rent of dock foot of Riopelle street.....	75 00	
Rent of dock foot of Bates street.....	180 00	
Rent of Therese alley.....	100 00	
Amount returned on pay-rolls .....	13 50	
Amount refunded by Mutual Gas Light Co.....	190 20	
Repairs to key.....	25	
Loan.....	30,000 00	
	<u>42,696 81</u>	
Interest on special assessments transferred.....	478 93	
City Bids transferred.....	5,232 78	
Recorder's Court fines and fees, transferred.....	15,402 34	
City charges 1846 to 1877, transferred.....	15,649 50	
Charges advertising sales transferred.....	200 40	
City Collector's fees transferred.....	2,519 72	
Licenses transferred.....	9,728 61	
Market rents transferred.....	12,637 61	
City Pound, E. D., transferred.....	70 75	
City Pound, W. D., transferred.....	163 64	
Hay scales, E. D., transferred .....	150 00	
Hay scales, W. D., transferred.....	75 00	
Wood Market, E. D., transferred.....	25 00	
City Deeds transferred.....	14 50	
	<u>\$62,433 78</u>	
		<u>\$240,635 46</u>

## GAS AND LAMP POST FUND.

Date. Voucher. Warrant.				Dr.
1877.				
Feb.	1	8	I. D. Bush, lamp posts.....	\$10 29
	2	46	American Express Co., express charges on gas burners.....	3 00
	6	69	Mutual Gas Light Co., gas in street lamps, City Hall, etc., January.....	421 55
	4	70	Samuel Hawman, repairing street lamps. .	30 25
	13	128	Reid & Hills, glass for lamps.....	111 70
	6	129	Farrand, Williams & Co., alcohol, lard oil, etc.....	148 75
	19	7	American Express Co, express charges on gas burners ....	4 70
	20	8	Samuel Hawman, lamps, etc.....	8 25
		9	I. D. Bush, lamp posts.....	42 00
		10	Pay-roll lamplighters, February, 1877.....	835 44
	27	11	Tufts Bros., gas burners, etc. ....	172 20
		12	Galvin Bros. & Co., burner cleaners, etc....	28 15
March 6	13	261	Detroit Gas Light Co., gas in street lamps, January .....	1,664 76
	14	261	Detroit Gas Light Co., gas in street lamps, February .....	1,561 64
	15	262	Mutual Gas Light Co., gas in street lamps, City Hall and Market, February.....	371 55
	16	263	Samuel Hawman, repairs to lamps.....	49 50
	17	264	T. H. Hinchman, boiled oil, turpentine, etc.	15 63
	13	18	Wm. A. Scripps, letter heads for Gas In- spector.....	1 00
	30	19	Samuel Hawman, repairing lamps.....	29 00
	27	20	Pay-roll lamplighters, March.....	950 00
		21	James Flowers & Bros., gas plyers, Gas In- spector's office.....	7 47
April 10	22	529	J. H. Kaple, P. M., postage stamps, Gas In- spector's office....	5 00
	23	607	Detroit Gas Light Co., gas in street lamps, March .....	1,507 69
	24	608	Mutual Gas Light Co., gas in street lamps, City Hall and Market, March . ....	372 36
	25	538	T. H. Hinchman & Sons, alcohol, Gas In- spector .....	91 16
	26	539	J. Dewey & Son, ladder for lamplighter....	25 50
	24	27	632 Pay-roll lamplighters, April....	950 00
	26	664	Detroit Gas Light Co., one jet photometer,	90 00
May 1	29	719	Deans, Brow & Godfrey, glass for street lamps.....	107 33

Date.		Voucher.	Warrant.		
May	8	30	743	Detroit Gas Light Co., gas in street lamps, April.....	\$1,384 76
		31	744	Mutual Gas Light Co., gas in street lamps, City Hall and Market, April.....	354 82
		32	745	E. B. Smith & Co., stationery, Gas In- spector's office.....	7 00
	22	33	884	Pay-roll lamplighters, May.....	950 00
		34	885	Detroit Gas Light Co., repairs to street lamps.....	22 60
June	5	35	1005	Detroit Gas Light Co., gas in street lamps, May.....	1,231 49
		36	1006	Mutual Gas Light Co., gas in street lamps, City Hall and Market, May.....	295 06
		37	1007	Samuel Hawman, 200 street lamps for gaso- line.....	433 33
	12	39	1073	Samuel Hawman, repairing street lamps..	34 25
	26	40	1211	M. Haller, paint for naphtha lamp posts...	5 00
		41	1212	Boydell Bros., paint for street lamps..	4 00
		42	1213	Pay-roll lamplighters, June.....	950 00
		43	1291	Wm. Brownlee, 200 cedar lamp posts.....	150 00
July	10	44	1352	Detroit Gas Light Co., gas in street lamps, June.....	1,112 76
		45	1353	Mutual Gas Light Co., gas in street lamps, City Hall and Market.....	283 28
		46	1354	Deans, Brow & Godfrey, glass for street lamps.....	162 38
		47	1355	Boydell Bros., paints and oil .....	10 06
		48	1356	T. H. Hinchman & Son, 1 barrel lard oil...	40 50
		49	1357	James Kelly, setting wooden lamp posts..	38 80
	17	50	1424	Detroit Gas Light Co., repairs to street lamps.....	33 80
	24	51	1493	Pay-roll lamplighters, July.....	950 00
Aug.	14	52	1727	Detroit Gas Light Co., gas in street lamps, July....	917 75
		53	1728	Mutual Gas Light Co., gas in street lamps, City Hall and Market, July.....	1,072 69
		54	1729	Michigan Gas Light Co., naphtha gas in street lamps, July.....	266 50
	26	55	1868	James Kelly, setting 4 posts for naphtha lamps.....	80
		56	1869	Pay-roll lamplighters, August.....	950 00
Sept.	4	57	1939	Detroit Gas Light Co., gas in street lamps and City Hall, August.....	1,431 84
		58	1940	Mutual Gas Light Co., gas in street lamps, City Hall and Market, August.....	1,175 06
		59	1941	Michigan Gas Light Co., naphtha gas in street lamps, August.....	318 50
	11	60	2021	Wm. Brownlee & Co., cedar lamp posts..	2 25
		61	2022	James Flower & Bro., nipples and coup- lings, Gas Inspector.....	4 04

Date.		Voucher.	Warrant.		
Sept.	18	62	2092	Reid & Hills, glass for street lamps. ....	\$43 80
		63	2093	James McEwan, gas hooks .....	48
		64	2094	James Kelly, carting wooden lamp posts ..	1 60
		65	2095	Dunn & Bro., 10 feet hose for force pumps,	1 50
		25 66	2152	Pay-roll lamplighters, September.....	950 00
		67	2153	Samuel Hawman, repairing lamps.....	37 20
		68	2154	George Dink, one ladder .....	3 50
Oct.	2	69	2207	Farrand, Williams & Co., sponges, chamois skins, etc.....	20 37
		70	2208	Boydell Bros., paints and oils.....	8 10
		71	2209	S. Freedman & Co., 50 yards cotton cloth..	4 00
		72	2210	Michigan Gas Light Co., gas in naphtha lamps, September.....	325 00
		9 73	2279	Detroit Gas Light Co., gas in City Hall and street lamps, September.....	1,426 21
		74	2280	Mutual Gas Light Co., gas in Market and street lamps, September.....	1,200 00
		75	2281	Wm. Brownlee & Co., 50 wooden lamp posts.....	37 50
		76	2282	Farrand, Williams & Co., 1 barrel lard oil,	32 16
	23 77	2428	Pay-roll lamplighters, October.....	950 00	
	Nov.	9	78	2546	Samuel Hawman, 70 tin gas lamps.....
79			2546	Samuel Hawman, 60 naphtha lamps.....	130 10
80			2547	D. Carter, agent, freight on lamp posts....	7 12
13 81			2616	G. H. Morton, hauling iron lamp posts.....	3 00
82			2617	Foley & Moran, hauling wooden lamp posts.....	3 00
		83	2618	Detroit Gas Light Co., gas in street lamps and City Hall, October.....	1,960 07
		84	2619	Mutual Gas Light Co., gas in street lamps and Market, October .....	1,717 78
		85	2620	Michigan Gas Light Co., gas in naphtha lamps.....	325 00
		86	2621	Samuel Hawman, repairs to street gas lamps.....	10 65
30 87		2673	Reid & Hills, glass for naphtha street lamps.....	112 80	
	88	2674	Foley & Moran, delivering naphtha lamp posts .....	1 00	
	89	2675	James Kelley, setting naphtha lamp posts,	4 00	
	90	2676	Pay-roll lamplighters, November .....	950 00	
Dec.	4	27 91	2730	Foley & Moran, hauling wooden lamp posts.....	1 00
		92	2731	Reid & Hills, glass for gas lamps.....	45 00
		93	2733	Detroit Gas Light Co., gas in street lamps and City Hall, November.....	2,273 35
		94	2734	Mutual Gas Light Co., gas in street lamps and Markets, November.....	1,957 76
		95	2735	Mutual Gas Light Co., setting lamp posts ..	121 50
		96	2736	Michigan Gas Light Co., gas in naphtha lamps.....	360 86

Date.	Voucher.	Warrant.		
Dec. 4	97	2787	James Kelly, setting naphtha lamp posts..	\$6 40
18	98	2936	Farrand, Williams & Co., paint for lamp posts.....	5 00
	99	2937	Pay-roll lamplighters, December.....	950 00
28	100	2990	Samuel Hawman, repairing street lamps..	56 75
1878.				
Jan. 4	101	3053	Grand Trunk Railway, freight on alcohol..	2 36
8	102	3118	Michigan Gas Light Co., gas in naphtha lamps .....	408 85
15	103	3152	Detroit Gas Light Company, gas in street lamps and City Hall, December.....	2,388 22
	104	3153	Mutual Gas Light Co., gas in street lamps and Markets, December .....	1,876 98
	105	3154	The Burcey Chemical Co., Binghamton, N. Y., 2 barrels wood alcohol .....	145 20
22	106	3208	Pay-roll lamplighters, January .....	950 00
	107	3204	Samuel Hawman, repairs to gas lamps....	2 00
	108	3204	Samuel Hawman, repairs to naphtha lamps,	4 00
	109	3205	G. C. Carter, hauling iron lamp posts.....	17 20
	110	3205	G. C. Carter, hauling wooden lamp posts..	40 20
				<hr/> \$46,311 87 <hr/>

## GAS AND LAMP POST FUND—CONDENSED.

Gas in street lamps, etc.....	\$30 029 01
Street lamps.....	159 88
Pay-roll lamp-lighters ..	11,285 44
Lamp posts and cartage .....	72 49
Boston burners.....	172 20
Alcohol.....	385 11
Lard oil, paints, brushes, etc.....	140 82
Repairing street lamps.....	306 00
Photometer.....	90 00
Glass ..	470 21
Setting lamp posts .....	121 50
Express charges.....	17 18
Naphtha gas.....	2,004 71
Cedar lamp posts .....	189 75
Street lamps for gasoline.....	563 33
Setting wooden posts .....	50 00
Carting wooden posts.....	46 80
Repairing wooden posts.....	4 00

## CITY CONTROLLER.

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Glass for naphtha lamps.....	\$112 80	
Sundries .....	90 64	
		<u>\$46,311 87</u>

		CR.
By collections for broken lamps.....	\$18 70	
Balance transferred to General Fund.....	46,293 17	
		<u>\$46,311 87</u>

## PRINTING AND STATIONERY FUND.

Date. Voucher. Warrant.				DR.
1877.				
Feb. 6	1	71	Daily Abend Post, advertising .....	\$62 05
	2	72	Wm. A. Scripps, briefs, City Counselor's office.....	10 00
	3	72	Wm. A. Scripps, blanks for pounds.....	6 93
	4	73	E. B. Smith & Co., stationery, Gas Inspector's office.....	20 86
	5	73	E. B. Smith & Co., stationery City Collector's office.....	3 32
	6	74	The Tribune Co., advertising.....	339 70
13	7	130	E. B. Smith & Co., stationery City Engineer's office.....	6 00
	8	130	E. B. Smith & Co., stationery City Receiver's office.....	24 81
	9	130	E. B. Smith & Co., tax rolls, etc., City Assessor's office.....	94 95
	10	130	E. B. Smith & Co., stationery City Controller's office.....	3 57
	11	130	E. B. Smith & Co., stationery Mayor's office,	9 25
	12	130	E. B. Smith & Co., stationery City Clerk's office.....	101 13
	13	131	Wm. A. Scripps, blanks City Receiver's office.....	2 30
	14	131	Wm. A. Scripps, blanks City Attorney's office. ....	7 50
	15	131	Wm. A. Scripps, blanks City Clerk's office,	22 47
	16	131	Wm. A. Scripps, blanks City Treasurer's office.....	2 02
20	17	183	The Daily Post Co., advertising .....	6 02
	18	183	The Daily Post Co., advertising, Receiver of Taxes office .....	14 56



Date. Voucher. Warrant.				
Feb. 20	19	188	The Daily Post Co., advertising proposals for contracts.....	\$28 35
	20	184	Daily Abend Post, advertising.....	75 30
	27	21	Wm. A. Scripps, Council Index.....	154 34
March 6	22	265	The Tribune Co., advertising.....	220 08
	23	266	The Daily Post Co., advertising, Board of Public Works.....	24 78
	24	266	The Daily Post Co., advertising.....	13 37
	25	266	The Daily Post Co., newspapers for city offices and Aldermen, January and February.....	47 50
	26	267	Wm. A. Scripps, letter heads, City Attorney's office.....	2 82
	27	267	Wm. A. Scripps, letter heads, City Engineer's office.....	1 20
	28	267	Wm. A. Scripps, postal cards and blanks, Assessor's office.....	27 40
13	29	316	Daily Abend Post, advertising Council Proceedings.....	143 07
	20	30	The Tribune Co., advertising.....	302 74
	31	398	Wm. A. Scripps, letter heads and blanks, City Treasurer's office.....	7 70
	32	398	Wm. A. Scripps, printing registration lists, City Treasurer's office.....	645 08
	33	398	Wm. A. Scripps, letter heads and blanks, Controller's office.....	1 20
	34	398	Wm. A. Scripps, letter heads and blanks, City Collector's office.....	6 77
	35	398	Wm. A. Scripps, letter heads and blanks, City Clerk's office.....	24 75
April 3	36	481	Wm. A. Scripps, blanks, City Clerk's office, City Clerk's office.....	18 65
	37	481	Wm. A. Scripps, printing Annual report of Board of Public Works.....	112 00
	38	481	Wm. A. Scripps, postal cards, City Assessor's office.....	16 00
	10	30	The Tribune Co., advertising.....	147 18
	40	541	Daily Post Co., advertising Board of Registration.....	1 50
	24	11	Daily Abend Post (German), printing.....	126 89
May 8	12	746	The Tribune Co., printing Council proceedings.....	18 00
	13	747	The Tribune Co., official printing.....	142 59
	44	747	The Tribune Co., daily papers for public use.....	126 68
	45	748	The Detroit Free Press Co., advertising.....	1 80
	46	749	The Daily Post Co., advertising.....	2 50
	47	750	E. B. Smith & Co., stationery, etc., Controller's office.....	21 53
	48	750	E. B. Smith & Co., stationery, etc., City Clerk's office.....	35 29
	49	750	E. B. Smith & Co., stationery, etc., City Treasurer's office.....	85 88

## CITY CONTROLLER.

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Date.	Voucher.	Warrant.		
May	8	50	750	E. B. Smith & Co., stationery, etc., City As-
				essor's office.....
				\$11 20
		51	750	E. B. Smith & Co., stationery, etc., City Re-
				ceiver's office.....
				26 65
		52	750	E. B. Smith & Co., stationery, etc., City En-
				gineer's office.....
				28 44
		53	750	E. B. Smith & Co., stationery, etc., City
				Counselor's office.....
				11 00
		54	750	E. B. Smith & Co., stationery, etc., City At-
				torney's office.....
				8 75
		55	750	E. B. Smith & Co., stationery, etc., Mayor's
				office.....
				11 71
	15	56	816	John D. Walker & Co., posting notices
				"Tax Sales".....
				10 00
		57	817	Daily Abend Post (German), printing.....
				169 44
		58	818	Wm. A. Scripps, printing proceedings Board
				of Estimates.....
				23 20
		59	818	Wm. A. Scripps, 500 copies Market Rules..
				10 00
		60	818	Wm. A. Scripps, blanks and blank book, Re-
				ceiver's office.....
				44 90
	22	61	886	Wm. A. Scripps, blanks and blank book,
				Board of Public Works.....
				22 45
		62	886	Wm. A. Scripps, blanks and blank book,
				Clerk of Market.....
				6 10
		63	887	John D. Walker, posting notices Receiver of
				Taxes.....
				5 00
June	5	64	1009	Wm. A. Scripps, printing blanks, Control-
				ler's office.....
				11 95
		65	1010	Daily Free Press Co., advertising notice to
				taxpayers.....
				6 75
		66	1011	Daily Post Co., advertising notice to tax-
				payers.....
				9 00
		67	1009	Wm. A. Scripps, printing blanks, City As-
				essor's office .....
				13 75
	12	68	1079	The Tribune Co., printing list of delinquent
				taxes .....
				904 27
		69	1079	The Tribune Co., general advertising.....
				89 82
		70	1079	The Tribune Co., general advertising.....
				209 24
		71	1080	Daily Abend Post (German), advertising..
				536 70
		72	1081	Wm. A. Scripps, 800 copies of Manual, etc.,
				230 45
		73	1081	Wm. A. Scripps, printing blanks, Treasu-
				rer's office.....
				8 25
		74	1081	Wm. A. Scripps, printing blanks, Board of
				Public Works.....
				6 50
	19	75	1150	Daily Abend Post, daily papers for public
				use.....
				100 96
	26	76	1214	James E. Scripps, printing legal notices,
				etc.....
				117 95
July	3	77	1292	Detroit Free Press Co., advertising.....
				2 50
		78	1293	Daily Post Co., advertising.....
				4 00

## ANNUAL REPORT OF THE

Date.	Voucher.	Warrant.			
July	6	79	1296	Wm. A. Scripps, printing 200 copies of Report of Board of Education, 1876.....	\$122 10
	9	80	1345	D. Hann & Co., 6 gross pens.....	12 00
	10	81	1258	E. B. Smith & Co., stationery, etc., Mayor's office.....	1 06
		82	1258	E. B. Smith & Co., stationery, etc., Controller's office .....	22 09
		83	1258	E. B. Smith & Co., stationery, etc., Receiver's office .....	5 26
		84	1258	E. B. Smith & Co., stationery, etc., City Collector's office.....	2 70
		85	1258	E. B. Smith & Co., stationery, etc., City Attorney's office.....	2 28
		86	1258	E. B. Smith & Co., stationery, etc., City Engineer's office.....	7 65
		87	1258	E. B. Smith & Co., stationery, etc., City Assessor's office.....	56 85
		88	1258	E. B. Smith & Co., stationery, etc., special book-keeper .....	8 21
		89	1258	E. B. Smith & Co., stationery, etc., Police Court.....	21 00
		90	1259	Wm. Scripps, job printing, city offices....	28 32
		91	1260	The Detroit Tribune, official printing.....	267 30
		92	1260	The Detroit Tribune, advertising special tax sale .....	101 50
		93	1261	Daily Abend Post (German), advertising....	239 00
		94	1262	Mathew Kramer & Co. (German), advertising..	10 50
	17	96	1425	Wm. A. Scripps, printing blanks, Receiver's office.....	74 85
		97	1425	Wm. A. Scripps, job printing, Board of Public Works.....	22 45
		98	1425	Wm. A. Scripps, job printing, City Engineer's office.....	2 06
Aug.	7	99	1629	The Detroit Tribune, general advertising...	178 48
		100	1630	E. B. Smith & Co., stationery, etc., City Clerk's office.....	13 09
		21	101	E. B. Smith & Co., stationery, Board of Public Works.....	19 09
		102	1791	Wm. A. Scripps, printing annual reports..	78 75
	24	103	1841	Daily Abend Post (German), advertising....	208 51
	26	104	1870	The Tribune Co., advertising.....	163 66
Sept.	4	105	1942	E. B. Smith & Co., stationery, etc., Mayor's office.....	8 25
		106	1942	E. B. Smith & Co., stationery, etc., Controller's office.....	9 56
		107	1942	E. B. Smith & Co., stationery, etc., Receiver's office.....	21 51
		108	1942	E. B. Smith & Co., stationery, etc., Assessor's office.....	87 84

## CITY CONTROLLER.

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Date.		Voucher.	Warrant.		
Sept.	4	109	1942	E. B. Smith & Co., stationery, etc., Gas Inspector's office.....	\$ 19
		110	1942	E. B. Smith & Co., stationery, etc., Clerk of Market.....	7 82
		111	1942	E. B. Smith & Co., stationery, etc., License Collector.....	5 75
		112	1942	E. B. Smith & Co., stationery, etc., Clerk of Police Court.....	60
		113	1943	The Tribune Co., advertising, etc .....	81 66
		114	1944	Daily Abend Post (German), advertising ..	217 07
11	115	2083		The Tribune Co., daily papers for public use.....	122 76
18	116	2086		James E. Scripps, legal printing and advertising.....	177 45
25	117	2155		Wm. A. Scripps, printing Controller's Annual Report.....	477 48
Oct.	2	118	2211	E. B. Smith & Co., stationery, etc., City Engineer's office.....	5 70
		119	2211	E. B. Smith & Co., stationery, etc., City Clerk's office.....	23 79
		120	2211	E. B. Smith & Co., stationery, etc., City Treasurer's office.....	18 98
		121	2211	E. B. Smith & Co., stationery, etc., Board of Public Works .....	7 87
		122	2212	The Tribune Co., official printing.....	76 79
		123	2212	The Tribune Co., official printing.....	151 68
		124	2213	Daily Abend Post (German), advertising...	266 61
		125	2214	Evening News Co., daily papers 3 months..	66 00
9	126	2283		W. A. Scripps, registration notices .....	649 63
16	127	2359		E. B. Smith & Co., stationery, etc., Mayor's office .....	2 84
		128	2359	E. B. Smith & Co., stationery, etc., Controller's office.....	7 02
		129	2359	E. B. Smith & Co., stationery, etc., Treasurer's office .....	17 89
		130	2359	E. B. Smith & Co., stationery, etc., City Engineer's office.....	6 50
		131	2359	E. B. Smith & Co., stationery, etc., Board of Public Works.....	2 24
		132	2359	E. B. Smith & Co., stationery, etc., City Attorney's office .....	97
		133	2359	E. B. Smith & Co., stationery, etc., City Collector's office.....	1 99
		134	2359	E. B. Smith & Co., stationery, etc., Clerk of Market.....	1 86
		135	2359	E. B. Smith & Co., stationery, etc., Council Chamber.....	19
23	136	2429		E. B. Smith & Co., stationery, etc., Assessor's office.....	81 39
Nov.	13	137	2622	E. B. Smith & Co., stationery, etc., Mayor's office.....	21

Date. Voucher. Warrant.				
Nov. 18	188	2622	E. B. Smith & Co., binding Controller's Report.....	\$39 57
	139	2622	E. B. Smith & Co., stationery, etc., Treasurer's office.....	29 74
	140	2622	E. B. Smith & Co., stationery, etc., election, November, 1877.....	16 75
	141	2622	E. B. Smith & Co., stationery, etc., Receiver's office.....	5 09
	142	2622	E. B. Smith & Co., stationery, etc., Market Clerk.....	6 25
	143	2622	E. B. Smith & Co., stationery, etc., License Collector.....	11 60
	20 144	2677	Daily Abend Post (German), advertising...	226 62
	145	2678	Detroit Free Press Co., publishing Mayor's election proclamation.....	7 50
	Dec. 4	146	2788 Michigan Volksblatt, publishing Mayor's election proclamation.....	9 80
		147	2789 E. B. Smith & Co., stationery, etc., City Engineer's office.....	2 67
	18 148	2938	The Tribune Co., daily papers.....	124 02
	149	2939	Daily Abend Post (German), advertising...	226 58
	150	2938	Daily Tribune Co., advertising.....	79 66
	28 151	3000	Daily Abend Post, daily papers quarter ending December 19.....	38 00
1878.				
Jan. 4	152	3054	Post and Tribune Co., advertising.....	323 07
	153	3054	Post and Tribune Co., advertising.....	8 61
	15 154	3155	James E. Scripps, legal printing.....	277 98
	22 155	3206	E. B. Smith & Co., stationery, Mayor's office.....	12 22
	156	3206	E. B. Smith & Co., stationery, Controller's office.....	1 91
	157	3206	E. B. Smith & Co., stationery, City Clerk's office.....	78 55
	158	3206	E. B. Smith & Co., stationery, Receiver of Taxes' office.....	23 79
	159	3206	E. B. Smith & Co., stationery, Board of Public Works' office.....	2 01
	160	3206	E. B. Smith & Co., stationery, City Engineer's office.....	18 03
	161	3206	E. B. Smith & Co., stationery, City Attorney's office.....	11 24
	162	3206	E. B. Smith & Co., stationery, Police Court,	22 20
	163	3207	Post and Tribune, official printing....	154 65
	164	3207	Post and Tribune, official printing....	10 64
	165	3207	Post and Tribune, printing forms Council proceedings ..	57 00
	166	3207	Post and Tribune, official printing....	4 48
	167	3208	Daily Abend Post (German), printing....	154 96
	25 168	3250	James E. Scripps, "Evening News," for use of City.....	64 96
				<u>\$12,240 64</u>

## PRINTING AND STATIONERY FUND—CONDENSED.

German printing.....	\$2,688 53
Official printing and advertising.....	4,105 38
Printing reports, blanks, etc.....	2,908 19
Stationery .....	1,273 74
Public printing .....	573 38
Newspapers .....	686 90
Posting notices.....	15 00
	<u>\$12,240 64</u>

CR.

By Transfer to General Fund.....	<u>\$12,240 64</u>
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## CONTINGENT FUND.

Date. Voucher. Warrant.

1877.

				DR.
Feb.	1	1	9 State Treasurer, cost of suit of City of Detroit vs. State Treasurer.....	\$10 00
		2	10 Griffin & Dickinson, continuance of case, Robinson vs. City of Detroit in Superior Court of Detroit.....	10 00
		3	45 McAvoy, West & Co., liquor tax refunded by Common Council, February 2, 1877, .....	63 35
		4	75 Charles Martin, removing patients to pest house.....	80 00
	7	5	55 Peter Rath, taxes refunded, resolution Common Council, September 15, 1876 .	12 38
		8	6 56 Albert Crane, taxes refunded, resolution Common Council, February 2, 1877.....	7 68
	12	7	109 Adam Betzing, taxes refunded, resolution Common Council, April 4, 1876.....	41 58
	13	8	132 Frank D. Andrus, copying city charter....	35 00
	14	9	115 Lewis B. Clark, amount uncalled for on pay-roll Aldermen, June 30, 1876.....	21 00
		10	116 Wm. Houghton, taxes refunded, resolution of Common Council, July 28, 1876.....	45 00
		11	220 John W. Moore, painting and lettering life preservers .....	20 50

## ANNUAL REPORT OF THE

Date. Voucher. Warrant.				
March 6	12	268	James A. Randall, taking depositions and testimony in case Hayden et al. vs. City of Detroit .....	\$11 40
	13	269	St. Mary's Hospital, care of small pox patients 3 months.....	490 20
	14	269	St. Mary's Hospital, rent of pest house from November 13, 1876, to February 23, 1877, .....	96 26
	15	269	St. Mary's Hospital, clothing furnished patients discharged from pest house, 3 months.....	84 61
	16	270	Charles Martin, removing small pox patients to pest house, etc.....	80 00
	17	271	Sohler & Welch, expenses in case Phillips, Robinson & Farwell vs. City of Detroit, .....	16 00
	19	18	378 A. Smith Bagg, purchase of lots 10 and 11, section 1, block 17, Russell Street Cemetery.....	20 00
	20	19	394 Wm. A. Scripps, posters for Harbor Master, .....	4 80
	27	20	435 Pay-roll of Aldermen, quarter ending March 31, 1877.....	987 00
		21	435 Pay-roll Board of Health from January 18, to March 21.....	109 50
		22	436 Alfred Russell, legal services and expenses in case Robinson & Farwell vs. City of Detroit.....	210 63
April 8	23	482	Charles Martin, removing small pox patients to pest house.....	80 00
	20	24	535 V. J. Scott, duplicate payment of taxes refunded.....	44 46
May 4	25	726	St. Mary's Hospital, care of small pox patients to May 1.....	568 14
		26	728 Charles Martin, conveying small pox patients to pest house.....	80 00
	8	27	751 St. Mary's Hospital, rent of pest house to April 30.....	57 69
		28	751 St. Mary's Hospital, clothing for convalescent patients.....	78 66
		29	752 Walter S. Harsha, services in suit Chope vs. D. & H. P. R. Co.....	30 00
		30	753 J. B. Nichols, services in suit Chope vs. D. & H. P. R. Co.....	25 00
		31	754 Louis F. Mordt, cut of plan Chope vs. D. & H. P. R. Co .....	5 00
		32	755 John W. Moore, new line for life preserver, .....	40
	9	33	780 G. Geyer, illegal assessment opening alley refunded, resolution May 1.....	11 00
		34	781 John Laehr, illegal assessment opening alley refunded, resolution May 4.....	14 30
	10	35	783 Joseph Blanke, erroneous assessment refunded, resolution of Council, February 9, 1877.....	5 06

## CITY CONTROLLER.

75

Date.	Voucher.	Warrant.			
May	15	36	819	N. B. Rowley, testing "scaler's" weights and measures.....	\$3 14
	29	37	943	Pay-roll special book keeper, May.....	66 00
		38	944	Benjamin Brett, painting City Hall flag-staff.....	10 00
		39	945	Calvert Engraving Co., 800 maps for City Manual.....	117 00
June	3	40	991	M. Stella, illegal assessment refunded, resolution of Council, May 29.....	154 61
		41	992	Alexander Cameron, over assessment, 1876.....	14 17
	5	42	1012	Charles Martin, conveying small pox patients to pest house to May 1.....	26 67
		43	1013	Joseph Landry, conveying small pox patients to pest house to June 10.....	80 00
		44	1014	Jos. M. Weiss, copying bill of exceptions, Robinson vs. City.....	15 00
		45	1015	Secretary of State, Certified Copies of Acts of Legislature.....	2 50
	9	46	1066	Samuel Truesdell, value of infected clothing destroyed, resolution of Council, June 5, 1877.....	18 00
	12	47	1082	Wm. A. Scripps, printing brief, Robinson vs. City.....	58 00
		48	1083	Calvert Engraving Co., lithographing Public Sewer Bonds.....	45 00
		49	1084	Boston Journal, advertising "Sale of Bonds".....	14 88
		50	1085	C. H. Borgman, City Clerk, copies of acts of Legislature.....	2 25
		51	1086	Wm. C. Maybury, City Attorney, telegraphic expenses, suit Robinson & Co. vs. City.....	2 88
	21	52	1141	Alice H. Steele, over assessment on lot 1, block 64, Jones Farm.....	21 50
	22	53	1143	David Knapp, over assessment on Van Dyke's subdivision of Beaubien Farm..	26 91
	26	54	1215	Pay-roll Aldermen, April, May and June...	960 00
		55	1215	Pay-roll Board of Health, April, May and June.....	126 00
		56	1215	Pay-roll special book keeper, June.....	78 00
		57	1216	Walter S. Harsha, services suit Robinson vs. City.....	10 00
	30	58	1279	Mrs. J. Dievel, infected clothing destroyed, approved by resolution of Common Council, June 26, 1877.....	19 39
July	2	59	1294	St. Mary's Hospital, rent of pest house to June 30.....	41 66
		60	1295	Joseph Landry, conveying small pox patients to pest house.....	80 00
	10	61	1363	St. Mary's Hospital, care of small pox patients, at pest house.....	960 27



Date.	Voucher.	Warrant.		
May 10	62	1363	St. Mary's Hospital, clothing for convalescent patients.....	\$149 90
17	63	1436	Wm. A. Scripps, printing brief, Robinson et al. vs. City.....	75 00
	64	1437	D. B. Nichols, copying records Robinson et al. vs. City.....	31 00
18	65	1418	James N. Dean, illegal assessment refunded.....	25 30
24	66	1494	Pay-roll special book keeper, July. ....	78 00
26	67	1478	D. C. Holbrook, City Counselor, expenses in suit Phillips et al. vs. City of Detroit, resolution of Council, July 21, 1877.....	200 00
26	68	1481	J. H. Kaple, P. M., postal cards for notice to physicians of small pox ordinance..	5 00
	69	1482	E. B. Wight, illegal assessment on mortgage refunded, resolution of Council, July 21, 1877.....	64 98
	70	1483	George Frank Wolf, illegal assessment on mortgage, resolution of Council, July 21, 1877.....	5 11
	71	1484	Mrs. Jane Young, over assessment on W. ½ lot 12, P. C. 80 and 81, N. High street, resolution of Council, July 21.....	10 75
Aug. 1	72	1550	C. F. Moore, illegal assessment on tug boat, resolution of Council, July 24, 1877.....	34 71
4	73	1612	John M. Scheibel, infected clothing destroyed, report of Committee on Health adopted July 31, 1877.....	21 80
	74	1615	Jacob Jager, infected clothing destroyed, resolution of Council, July 31, 1877.....	25 00
7	75	1631	St. Mary's Hospital, rent of pest house, July.....	41 66
	76	1631	St. Mary's Hospital, care of small pox patients at pest house.....	563 14
	77	1631	St. Mary's Hospital, clothing for convalescent patients.....	87 22
	78	1632	Joseph Landry, conveying patients to pest house.....	80 00
	79	1634	E. B. Smith & Co., printing receipts "St. John's contribution".....	1 25
	80	1635	Pay-roll messenger Common Council, April, May and June.....	26 00
	81	1636	A. Kirchner, gloves and crape for funerals, .....	10 19
9	82	1622	Mrs. A. Coughlin, duplicate assessment of taxes 1877, report of Committee on Taxes, adopted August 3, 1877.....	3 58
10	83	1653	Henrietta E. Smith, erroneous assessment of taxes, report of Committee on Taxes, adopted August 3, 1877.....	21 44
13	84	1704	James E. Pittman, duplicate assessment on building, report of Committee on Taxes, adopted August 3, 1877.....	76 33

## CITY CONTROLLER.

77

Date. Voucher. Warrant.				
Aug. 13	85	1705	Elizabeth Mollison, infected clothing destroyed, resolution of Council, July 31, 1877 .....	\$18 50
14	86	1730	C. H. Leonard, M. D., 501½ grains bovine vaccine matter.....	250 75
17	87	1739	Mary Zerodt, illegal assessment on east ½ lot 6, block 12, Jos. Campau Farm.....	4 60
21	88	1842	New York Herald, advertising sale of bonds.....	50 40
	89	1779	Mary Hickman, N. ¼ lot 10, block 3, sec. 2, Russell Street Cemetery.....	5 00
	90	1792	C. H. Leonard, M. D., 104 grains bovine virus.....	52 00
24	91	1838	Pay-roll special book keeper, August.....	81 00
25	92	1844	Jesse H. Farwell, duplicate payment of taxes, 1875.....	56 83
	93	1845	Heavenrich Bros., erroneous assessment on personal property tax, 1877.....	528 70
27	94	1846	Arthur Edwards, lot 9, block 8, sec. 1, Russell Street Cemetery.....	10 00
	95	1847	Nancy A. Scott, N. ½ lot 15, block 8, sec. 1, Russell Street Cemetery.....	5 00
28	96	1849	Thos. McDonald, lot 10, block 22, sec. 1, Russell Street Cemetery.....	10 00
	97	1852	D. J. Campau, erroneous assessment refunded.....	25 60
29	98	1855	Thomas Pinder, N. ½ lot 5, block 1, sec. 1, Russell Street Cemetery.....	5 00
	99	1859	Joseph McGrath, lot 16, block 6, sec. 1, Russell Street Cemetery.....	10 00
31	100	1864	F. Tichy, pastor, tax on Bohemian Church property refunded.....	4 97
Sept. 1	101	1920	Mrs. Mary Doran, infected clothing destroyed, resolution of Council, August 28, 1877.....	20 00
	102	1922	Michael Oates, infected clothing destroyed, resolution of Council, August 24, 1877..	25 00
3	103	1924	A. G. Taylor, erroneous assessment on lot 1, block A, Cass Farm .....	6 26
4	104	1945	St. Mary's Hospital, rent of pest house, August.....	41 66
	105	1945	St. Mary's Hospital, care of small pox patients, August.....	296 50
	106	1945	St. Mary's Hospital, clothing for convalescent patients.....	16 76
	107	1946	Joseph Landry, conveying patients to pest house to September 10.....	80 00
7	108	2004	Joseph Ireton, S. ½ lot 6, block 11, sec. 1, Russell Street Cemetery.....	5 00
8	109	2007	Jacob Rudiscelli, infected clothing destroyed, resolution of Council, August 31, 1877.....	50 40

Date. Voucher. Warrant.				
Sept.	8 110	2081	Oliver Duquette, erroneous liquor assessment, resolution of Council, September 11, 1877.....	\$117 72
	22 111	2139	Pay-roll city physicians and others, vaccinating, report of Committee on Claims and accounts, adopted September 21, 1877.....	4,015 00
	25 112	2142	J.W. Crawford, infected clothing destroyed, resolution of Council, September 21, 1877.....	20 00
		118 2143	Ichabod Goodrich, S. ½ lot 4, block 3, sec. 1, Russell Street Cemetery.....	5 00
		114 2156	Pay-roll Aldermen, 3 months to September 30, 1877.....	938 00
		115 2156	Pay-roll Board of Health, 3 months to September 30, 1877.....	246 00
		116 2157	Sievers & Erdman, city ambulance.....	180 00
		117 2158	Pay-roll special book keeper, September...	75 00
	29 118	2195	Wm. B. Moran, duplicate payment of taxes of 1876 on lot 3, N. side Watson street, C. Moran Farm.....	13 39
		119 2196	C. D. Doherty, duplicate payment of taxes of 1875 on lot 15, subdivision of lot 43, Porter Farm.....	4 02
Oct.	2 120	2215	Herschel Whitaker, services in suit, Janet C. Smith vs. City of Detroit.....	20 00
	3 121	2198	Catherine Latcha, infected clothing destroyed, resolution of Council, September 28, 1877.....	25 50
	5 122	2253	Mrs. Alfred Davis, infected clothing destroyed, resolution of Council, September 14, 1877.....	11 87
	6 123	2264	John Bialk, spirituous liquor tax refunded, resolution of Council, October 2, 1877..	118 29
	9 124	2274	James Hickey, burial of unknown body found in sewer excavation.....	8 00
		125 2284	James Hickey, removing remains of 8 bodies from Russell Street Cemetery...	24 00
	10 126	2299	Joseph McGrath, expenses incurred in removing bodies from Russell Street Cemetery.....	6 00
		127 2270	Jane S. Graves, lot 1, block 21, sec. 1, Russell Street Cemetery.....	10 00
		128 2271	Oliver Bourke, excess of interest on taxes of 1871, lot 27, sec. 2, Gov. and Judges' plan, refunded.....	91 59
	16 129	2342	George Maurice, S. ½ lot 18, block 10, sec. 1, Russell Street Cemetery.....	5 00
		130 2349	Mary E. Armstrong, lot 6, block 2, sec. 1, Russell Street Cemetery.....	10 00
		131 2360	John W. Moore, repairing life preservers..	4 90

## CITY CONTROLLER.

79

Date. Voucher. Warrant.					
Oct.	30	132	2422	J. P. Long, spirituous liquor tax refunded, resolution of Council, October 16, 1877,	\$118 65
	28	133	2431	C. H. Leonard, M. D., 35¼ grains vaccine virus.....	17 88
		134	2430	Pay-roll special book keeper, October.....	41 00
	31	135	2443	Ezekiel Hutton, N. ½ lot 7, block 13, sec. 1, Russell Street Cemetery.....	5 00
		136	2435	Fred'k Stricker, N. ½ lot 8, block 1, sec. 1, Russell Street Cemetery.....	5 00
Nov.	2	137	2491	R. M. Wagstaff, lot 8, block 11, sec. 1, Russell Street Cemetery.....	10 00
	3	138	2534	John Ferguson, S. ½ lot 4, block 14, sec. 1, Russell Street Cemetery.....	5 00
	9	139	2548	A. B. Sears, removing 5 bodies from Russell Street Cemetery.....	15 00
	10	140	2607	Henry Grupe, erroneous liquor tax refunded, resolution of Council, November 2, 1877.....	119 40
	13	141	2623	James Hickey, removing remains from Russell Street Cemetery.....	21 00
	20	142	2666	A. H. Bigg, erroneous liquor tax refunded, resolution of Council, November 25, 1877.....	162 75
		143	2679	Pay-roll special book keeper, November...	78 00
		144	2667	W. C. Maybury, City Attorney, witness fees for witnesses before Committee on Gas.....	3 00
	26	145	2724	Frank Wieler, infected clothing destroyed, resolution of Council, November 23, 1877....	25 00
Dec.	4	146	2790	Sundry Persons, carriage hire, use of investigating committee, "Garfield case" ..	4 50
		147	2491	M. S. Smith, gold badge for Mayor, resolution of Council, August 28, 1877.....	30 00
	8	148	2846	Frank Peguinot, infected clothing destroyed, resolution of Council, December 4, 1877.....	35 00
	12	149	2850	Fred Voelker, erroneous liquor tax refunded, resolution of Council, December 7, 1877.....	120 25
		150	2855	August Quast, portion of liquor tax refunded, resolution of Council, December 7, 1877.....	26 54
		151	2853	Bertha Miller, liquor tax refunded, resolution of Council, December 7, 1877.....	94 85
	14	152	2876	Catherine Deneke, undivided half of lot 5, block 7, sec. 1, Russell Street Cemetery.	5 00
		153	2911	Josette Campau, erroneous tax on mortgage refunded, resolution of Council, December 7, 1877.....	13 92

Date.	Voucher.	Warrant.		
Dec. 14	154	2913	Whitaker, Maitland & Co., taking and preparing testimony in Scripps case.....	\$45 00
	17	155	2917 F. X. Berger, duplicate payment of personal tax refunded, resolution of Council, December 7, 1877.....	32 18
		156	2919 Michael Lambert, liquor tax of 1877 refunded, resolution of Council, December 7, 1877.....	120 25
		157	2919 August Diedrich, liquor tax of 1877 refunded, resolution of Council, December 7, 1877.....	118 65
		158	2920 Wm. Nolan, erroneous tax on mortgage refunded, Resolution of Council, December 7, 1877.....	8 30
18	160	2985	Pay-roll special book keeper, December ..	78 00
	161	2985	Pay-roll Aldermen, October, November and December.....	934 00
	162	2985	Pay-roll Board of Health, October, November and December.....	126 00
19	163	2982	F. L. Brayton, erroneous tax on personal property refunded, resolution of Council, December 7, 1877.....	11 16
24	164	2992	Mrs. Eliza Rose, S. $\frac{1}{2}$ lot 15, block 1, sec. 1, Russell Street Cemetery... ..	5 00
28	165	3001	Whitaker, Maitland & Co., taking testimony, etc., for Gas Committee investigation... ..	82 00
		166	3001 Whitaker, Maitland & Co., taking testimony in case Janet C. Smith vs. City of Detroit.....	7 50
29	167	3042	Janet C. Smith, judgment and costs in suit against city for broken leg, resolution of Council, December 21, 1877.....	4,611 00
	31	168	3046 A. E. Leavitt, duplicate assessment of 1877, refunded, resolution of Council, December 21, 1877.....	49 78
1878.				
Jan.	2	169	3047 Edward Fierz, part of malt liquor tax of 1877 refunded, resolution of Council, December 21, 1877.. ..	21 80
	4	170	3055 James Hickey, removing remains from Russell Street Cemetery.. ..	6 00
	8	171	3106 Carl Zielke, erroneous liquor tax refunded, resolution of Council, November 2, 1877.	13 35
	9	172	3108 Rokus Zlacherk, erroneous assessment on lot 77, Wilkins street, resolution of Council, January 4, 1878.....	4 54
		173	3110 Joseph Wittlesberger, erroneous assessment on lateral sewers, resolution of Council, January 4, 1878.....	45 00

## CITY CONTROLLER.

81

Date.	Voucher.	Warrant.		
Jan. 11	174	3146	W. J. Fowler, erroneous assessment on personal property, resolution of Council, January 4, 1878.....	\$15 19
12	175	3147	B. H. Whitman, erroneous assessment on personal property, resolution of Council, January 8, 1878.....	4 44
22	176	3209	Alfred Russell, legal services, royalty case,	300 00
	177	3210	C. I. Walker, legal services, royalty case...	300 00
	178	3211	Whitaker, Maitland & Co., taking testimony royalty case.....	26 40
	179	3211	Whitaker, Maitland & Co., taking testimony gas case.....	7 00
	180	3212	Pay-roll special book-keeper.....	81 00
30	181	3254	G. V. N. Lothrop, legal services in case Janet C. Smith vs. City.....	300 00
				<hr/> \$28,827 76

## CONTINGENT FUND—CONDENSED.

Pay-roll Aldermen.....	\$3,866 00
Pay-roll Board of Health.....	607 50
Legal services and costs.....	1,397 98
Taxes refunded.....	1,561 16
Liquor tax refunded.....	1,245 85
Purchase of cemetery lots.....	135 00
Removing bodies from Russell Street Cemetery....	72 00
Burial of unknown person found in sewer.....	8 00
Payment of damages.....	4,611 80
Pay-roll special book keeper.....	696 00
Mayor's badge.....	30 00
Printing and advertising.....	303 06
Copying city charter.....	35 00
Painting and repairing life preservers.....	25 40
Care of patients at pest house.....	2,928 25
Rent of pest house.....	278 93
Conveying patients to the pest house.....	666 67
Clothing furnished to convalescent patients.....	417 24
Cost of vaccinating.....	4,015 00
Vaccine virus.....	320 63
Infected clothing destroyed.....	315 46
City ambulance.....	180 00
Maps and Lithographing.....	162 00
Miscellaneous.....	49 06
	<hr/> \$28,827 76

## ANNUAL REPORT OF THE

To Park Improvement Fund, expenses on Parks transferred.....	\$38,648 94	
Amount transferred to Sinking Fund.....	81,000 00	
		<u>\$38,648 94</u>
To Balance, January 31, 1878.....		557 89
		<u>\$38,084 09</u>

Cr.

By Liquor License assessment.....	\$57,471 47	
Amount on rolls uncalled for.....	107 89	
Rent of Hospital Grounds.....	35 35	
Plank walk, Henry May, contractor.....	25 00	
		<u>\$57,640 81</u>
City Bids.....	393 88	
		<u>\$58,034 09</u>

## CITY POOR FUND.

Date. Voucher. Warrant.

1877.

				DR.
Feb.	1	11	F. Marotzke, delivering wood to city poor, E. D .....	\$36 48
	6	2	76 E. B. Smith & Co., stationery.....	2 10
		3	77 Harper Hospital, care of city poor, Janu- ary.....	173 50
		4	78 St. Luke's Hospital, care of city poor, Janu- ary.....	80 50
		5	79 James Hickey, burial of city poor, Janu- ary.....	210 00
	9	6	106 L. B. Willard, balance relief of city poor, December .....	81 00
		7	107 J. Smith, poor order April, 1876.....	1 00
	13	8	133 St. Mary's Hospital, care of city poor, Janu- ary.....	270 00
		9	134 F. Marotzke, delivering wood to city poor. E. D.....	22 72
		10	112 J. H. Kaple, P. M., postage stamps, Direc- tor of Poor.. ..	5 00
		11	135 L. B. Willard, relief of city poor, January.	4,098 19
	17	12	164 Ed. Stange, poor order April, 1876.....	1 00
	20	13	185 Michigan Central R. R. Co., ticket for pauper.....	8 90
		14	186 Grand Trunk Co., ticket for pauper.....	12 00
		15	187 F. Marotzke, delivering wood to city poor, E. D.....	11 68

Date.	Voucher.	Warrant,			
Feb.	20	16	188	Wm. Becht, delivering wood to city poor, W. D.....	\$34 20
	26	17	210	M. Kettle, poor order September, 1876.....	2 00
		18	211	J. Hasse, poor order April, 1876.....	2 00
	27	19	228	Fred Vermuelen, inspecting wood, E. D....	40 00
March	6	20	272	St. Luke's Hospital, care of city poor, Feb- ruary, 1877 .....	94 00
		21	273	Wm. Becht, delivering wood to city poor, E. and W. Districts.....	99 70
		22	274	Canada Southern R. R. Co., tickets for paupers.....	24 00
		23	275	James Hickey, burial of city poor, Feb- ruary.....	68 00
		24	276	Wm. A. Scripps, letter heads, Director of the Poor.....	1 20
	13	25	317	Wm. Becht, delivering wood to city poor, E. and W. Districts.....	36 63
		26	318	St. Mary's Hospital, care of city poor, Feb- ruary.....	304 00
		27	319	Harper Hospital, care of city poor, Feb- ruary.....	144 50
		28	320	Michigan Central R. R., tickets for paupers,	2 30
	20	29	325	Wm. A. Scripps, wood orders, Director of the Poor.....	4 55
		30	326	Peter Zens, measuring city poor wood.....	30 47
	27	31	437	Grand Trunk R. R., tickets for paupers....	10 00
		32	611	L. B. Willard, relief of city poor, February,	3,859 00
	29	33	418	Wm. A. Scripps, printing blanks, etc., Di- rector of the Poor.....	29 74
April	24	34	728	L. B. Willard, relief city poor, March.....	3,566 15
		35	633	Harper Hospital, care of city poor, March,	128 50
		36	634	St. Luke's Hospital, care of city poor, March .....	90 50
		37	635	St. Mary's Hospital, care of city poor. March.....	296 50
		38	636	James Hickey, burial of city poor, March,	171 00
		39	814	John Zimmerman, measuring wood.....	9 87
May	1	40	676	St. Mary's Hospital, care of city poor, April,	161 50
		41	677	St. Luke's Hospital, care of city poor, April,	71 50
	8	42	756	Harper Hospital, care of city poor, April,	74 50
		43	757	Pay-roll city physicians, vaccinating city poor .....	75 00
		44	758	James Hickey, burial of city poor, April...	112 00
		45	759	E. B. Smith & Co., stationery, Director of the Poor.....	19 93
	15	46	820	Wm. A. Scripps, blanks and wood orders, Director of the Poor.....	14 50
July	2	47	1297	P. Hickey, poor order for carriage, unpaid,	1 00
	10	48	1364	E. B. Smith & Co., stationery, etc., Direc- tor of the Poor.....	45



Date. Voucher. Warrant.					
July	17	49	1428	Great Western Railway Co., tickets for paupers.....	\$5 40
		50	1429	Detroit and Milwaukee R. R. Co., tickets for paupers .....	8 95
		51	1430	Grand Trunk R. R. Co., tickets for paupers, .....	5 00
24	52	1495		James Hickey, burial of city poor, May....	127 00
31	53	1561		James Hickey, burial of city poor, June...	140 00
	54	1562		Harper Hospital, care of city poor, May...	105 00
	55	1562		Harper Hospital, care of city poor, June...	99 00
	56	1563		St. Luke's Hospital, care of city poor, May,	81 50
	57	1563		St. Luke's Hospital, care of city poor, June,	47 00
	58	1564		St. Mary's Hospital, care of city poor, May,	148 00
	59	1564		St. Mary's Hospital, care of city poor, June,	127 00
	60	1565		Woodmere Cemetery, burial lots city poor,	76 80
	61	1485		Pay-roll city physicians, vaccinating city poor.....	75 00
Aug.	7	62	1637	Luther B. Willard, relief of city poor, April,	528 50
		63	1637	Luther B. Willard, relief of city poor, May,	430 25
		64	1637	Luther B. Willard, relief of city poor, June,	389 75
		65	1638	Harper Hospital, care of city poor, July...	82 50
		66	1639	St. Luke's Hospital, care of city poor, July,	62 00
		67	1640	St. Mary's Hospital, care of city poor, July,	106 50
		68	1641	James Hickey, burial of city poor, July...	145 00
		69	1642	Canada Southern R. R., tickets for paupers,	7 00
14	70	1731		Luther B. Willard, relief of city poor, July,	406 55
15	71	1708		Commissioners of Sinking Fund, payment of cash loan.....	9,000 00
		72	1708	Commissioners of Sinking Fund, interest on cash loan.....	189 86
	21	73	1793	Great Western R. R. Co., tickets for paupers,	11 15
		74	1794	Grand Trunk R. R. Co., tickets for paupers,	5 00
	28	75	1871	Canada Southern R. R. Co., tickets for paupers .....	5 00
Sept.	4	76	1947	Harper Hospital, care of city poor, Aug. ..	80 00
		77	1948	St. Luke's Hospital, care of city poor, Aug.,	48 50
		78	1949	St. Mary's Hospital, care of city poor, Aug.,	172 50
		79	1950	Canada Southern R. R. Co., tickets for paupers.....	5 00
		80	2024	James Hickey, burial of city poor, August,	168 00
		81	1951	E. B. Smith & Co., stationery, Director of the Poor.....	35
Sept.	11	82	2025	Adams & Ferguson, 512 55-100 cords wood, city poor, E. D.....	2,014 32
		83	2025	Adams & Ferguson, 418 86-100 cords wood, city poor, W. D.....	1,646 12
		84	2026	Canada Southern R. R. Co., tickets for paupers.....	21 40
		85	2027	Grand Trunk R. R. Co., tickets for paupers,	12 15
		86	2028	Great Western R. R. Co., tickets for paupers .....	5 00

## CITY CONTROLLER.

85

Date.	Voucher.	Warrant.			
Sept.	18	87	2097	Michigan Central R. R. Co., tickets for paupers.....	\$1 15
	25	88	2158	Walter V. Kies, relief of city poor, August,	322 00
Oct.	2	89	2216	Harper Hospital, care of city poor, September.....	114 50
		90	2217	St. Mary's Hospital, care of city poor, September.....	196 50
		91	2218	Canada Southern R. R. Co., tickets for paupers.....	5 00
	9	92	2265	Lake Shore & Michigan Southern R. R. Co., tickets for paupers.....	8 50
		93	2266	St. Luke's Hospital, care of city poor, September.....	15 00
		94	2287	James Hickey, burial of city poor, September.....	65 00
	16	95	2261	Woodmere Cemetery, burial lots, city poor,	51 20
		96	2262	Michigan Central R. R. Co., tickets for paupers.....	16 50
		97	2263	Grand Trunk R. R. Co., tickets for paupers,	8 00
	23	98	2433	Grand Trunk R. R. Co., tickets for paupers,	8 00
		99	2432	Pay-roll City Physicians, vaccinating city poor.....	75 00
		100	2432	Walter V. Kies, relief of city poor, September.....	489 50
Nov.	9	101	2549	James Hickey, burial of city poor, October,	105 00
		102	2550	Detroit & Milwaukee R. R. Co., tickets for paupers.....	15 80
		103	2551	Canada Southern R. R. Co., tickets for paupers.....	5 00
	13	104	2634	Walter V. Kies, relief of city poor, October,	695 50
		105	2635	Harper Hospital, care of city poor, October.....	122 00
		106	2636	St. Mary's Hospital, care of city poor, October.....	304 50
		107	2637	St. Luke's Hospital, care of city poor, October.....	15 50
		108	2638	Michigan Central R. R. Co., tickets for paupers.....	30 00
Dec.	4	109	2732	Harper Hospital, care of city poor, November.....	85 00
		110	2733	St. Luke's Hospital, care of city poor, November.....	15 00
		111	2794	James Hickey, burial of city poor, November.....	100 00
		112	2795	Canada Southern R. R. Co., tickets for paupers.....	11 15
	11	113	2862	St. Mary's Hospital, care of city poor, November.....	159 50
		114	2863	Michigan Central R. R. Co., tickets for paupers.....	4 60

Date.	Voucher.	Warrant.		
Dec. 18	115	2941	Walter V. Kies, relief of city poor, November.....	\$709 75
28	116	3002	John Grauss, delivering 75 cords of wood to poor, E. D....	21 00
	117	3043	John Monaghan, poor order uncalled for..	3 00
1878.				
Jan. 4	118	3056	Michael Sherlin, delivering 56 cords of wood to poor, W. D.....	15 68
	119	3102	James Hickey, burial of city poor, December.....	84 00
15	120	3156	Walter V. Kies, relief of city poor, December.....	1,912 75
	121	3157	St. Mary's Hospital, care of city poor, December.....	181 50
	122	3158	St. Luke's Hospital, care of city poor, December.....	15 50
Jan. 15	123	3159	Woodmere Cemetery, ground for burial of city poor.....	51 20
	124	3160	Michigan Central R. R. Co., tickets for paupers.....	6 00
	125	3161	John Grauss, delivering 100 cords wood to poor, E. D....	28 00
22	126	3213	E. B. Smith & Co., stationery, etc., Director of the Poor.....	4 68
	127	3214	Harper Hospital, care of city poor, December.....	46 50
	128	3215	Grand Trunk R. R., tickets for paupers....	26 30
	129	3216	Canada Southern R. R., tickets for paupers,	5 00
	130	3217	Buckley & McCoy, poor order uncalled for,	8 00
25	131	3251	Pay-roll city physicians, vaccinating city poor to January 15.....	75 00
				<u>\$37,284 53</u>

## CITY POOR FUND—CONDENSED.

Relief of city poor.....	\$17,408 89
Care of city poor, St. Mary's Hospital.....	2,452 50
Care of city poor, Harper Hospital.....	1,191 00
Care of city poor, St. Luke's Hospital.....	686 50
Burial of city poor.....	1,495 00
Burial lots purchased.....	179 20
Vaccinating city poor.....	300 00
Wood for city poor.....	3,660 44
Delivering the same.....	386 43

Railroad tickets for paupers.....	\$289 25	
Poor orders.....	18 00	
Printing, advertising, etc.....	77 45	
Postage.....	5 00	
Payment of loan.....	9,000 00	
Interest on loan.....	199 86	
		<u>\$37,384 52</u>
By Balance, January 31, 1878.....		13,886 90
		<u>\$50,671 42</u>

			CR.
By Balance, January 31, 1877 .....	\$7,230 18		
Appropriation, 1877.....	25,000 00		
City Bids.....	750 28		
Amount unpaid on rolls.....	\$107 75		
Old balance in bank.....	93 21		
Loans .....	17,500 00		
		<u>17,700 96</u>	
			<u>\$50,671 42</u>

## PUBLIC SEWER FUND.

Date. Voucher. Warrant.			
1877.			
May	1	678	Pay-roll Inspector Berlin street sewer, April.....
			\$18 00
	2	679	The Detroit Tribune Co., official printing..
			9 31
8	3	760	Pay-roll Superintendent public sewers, May.....
			18 00
	4	761	Daily Abend Post, German printing.....
			7 25
	5	762	Charles Dupont, recording deed, "Right of Way" .....
			1 00
15	6	821	Pay-roll Superintendent public sewers, May.....
			18 00
	7	821	Pay-roll Superintendent public sewers, May.....
			8 00
	8	822	Anton Dettloff, first and final estimate, Ber- lin street sewer.....
			641 35
22	9	888	Jeremiah Connor, first estimate, Park street sewer.....
			1,399 68
	10	889	Thomas Jaynes, first estimate, Congress street sewer.....
			1,029 48
	11	890	Pay-roll Superintendent public sewers, May.....
			17 50

Date. Voucher. Warrant.				
May	22	12	890	Pay-roll Superintendent public sewers, May ..... \$15 00
	29	13	946	Henry Collins, first estimate, Rivard street sewer..... 2,019 94
		14	947	August Zander, first and final estimate, Holden Road sewer..... 363 60
		15	948	Pay-roll Inspector Rivard street sewer.... 18 00
June	5	16	1016	Jeremiah Connor, second estimate, Park street sewer ..... 983 12
		17	1017	Thomas Jaynes, second estimate, Con- gress street sewer..... 858 26
		18	1018	Batchelder & Long, sewer pipe..... 147 28
		19	1019	Daily Tribune Co., advertising..... 14 21
		20	1020	Pay-roll Laborers, April 30th to June 1st... 41 27
		21	1020	Pay-roll Inspector public sewers, May..... 81 00
		22	1020	Pay-roll Inspector public sewers, May..... 18 00
		23	1020	Pay-roll Inspector public sewers, May..... 52 50
	12	24	1067	Henry Collins, second estimate, Rivard street sewer..... 1,426 02
		25	1068	Buffalo Cement Co., water lime..... 658 60
		26	1069	Pay-roll Inspector public sewers, June..... 65 00
		27	1069	Pay-roll Inspector public sewers, June..... 15 00
		28	1080	Daily Abend Post, German printing..... 7 25
	19	29	1151	August Zander, first estimate, Williams avenue sewer..... 1,632 48
		30	1152	A. Detloff, first estimate, Mt. Elliott avenue sewer..... 594 00
		31	1153	Wagner & Mazain, first estimate, Gratiot avenue sewer..... 753 60
		32	1154	Jeremiah Connor, third estimate, Park street sewer..... 1,010 88
		33	1155	Thomas Jaynes, third estimate, Congress street sewer..... 872 16
		34	1156	Pay-roll Inspector public sewers..... 166 02
		35	1157	James E. Scripps, advertising sewers..... 23 68
	26	36	1217	Schneider & Kies, first estimate, Fremont street sewer..... 1,127 24
		37	1218	J. & T. Sullivan, first estimate, Sixteenth street sewer..... 1,101 60
		38	1219	Henry Collins, third estimate, Rivard street sewer..... 1,063 26
		39	1220	Lasier & Co., water lime..... 828 06
		40	1221	Pay-roll Inspector of sewers, June..... 35 00
July	3	41	1296	Charles Reinfeldt, first estimate, Clifford and John R street sewer ..... 1,096 16
		42	1299	J. & J. Detloff, first and final estimate, Ash street sewer..... 271 94
		43	1300	Anton Detloff second estimate, Mt. Elliott avenue sewer..... 863 00
		44	1301	August Zander, second estimate, Twenty- first street sewer..... 1,008 40

## CITY CONTROLLER.

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Date.		Voucher.	Warrant.		
July	3	45	1802	C. A. Sheldon, water lime.....	\$300 68
		46	1803	Pay-roll laborers, June 30.....	72 88
		47	1808	Pay-roll Superintendent Public Sewers, June.....	394 50
		48	1804	Thomas Jaynes, fourth and final estimate, Congress street sewer.....	1,279 06
		49	1805	Jeremiah Connor, fourth and final esti- mate, Clifford street sewer.....	1,994 93
		50	1806	Batchelder & Long, receiving basins.....	360 60
		51	1807	Detroit Tribune Co., advertising sewers...	4 64
		52	1808	Daily Abend Post, advertising sewers.....	1 94
10		53	1865	Kies & Schneider, second estimate, Fre- mont street sewer.....	1,652 54
		54	1866	Wagner & Mazain, second estimate, Gra- tiot avenue sewer.....	628 00
		55	1867	Jeremiah Connor, first estimate, Fort street sewer.....	549 60
		56	1868	J. & T. Sullivan, second estimate, Six- teenth street sewer.....	1,068 40
		57	1869	Buffalo Cement Co., water lime.....	1,311 28
17		58	1481	J. & J. Dettloff, first estimate, Magnolia street sewer.....	171 68
		59	1482	Charles Reinfeldt, second estimate, Clif- ford and John R street sewer.....	495 04
		60	1483	J. & T. Sullivan, third estimate, Sixteenth street sewer.....	691 20
		61	1484	Wagner & Mazain, third estimate, Gratiot avenue sewer.....	638 00
		62	1485	August Zander, third and final estimate, Twenty-first street sewer.....	2,188 82
		63	1486	Anton Dettloff, third and final estimate, Mt. Elliott avenue sewer.....	420 50
		64	1487	Henry Collins, fourth and final estimate, Rivard street sewer.....	1,650 51
		65	1488	Pay-roll Inspectors of sewers, July...	278 50
		66	1488	Pay-roll laborers, building receiving ba- sins.....	61 37
24	07	1496	1496	Schneider & Kies, third estimate, Fremont street sewer, section 1.....	1,871 42
27	08	1535	1535	Jeremiah Conner, second and final esti- mate, Fort street sewer.....	750 93
31	09	1566	1566	Jaynes & Buchan, first estimate, Locust street sewer.....	915 20
		70	1567	August Zander, first estimate, Crawford street sewer, section 2.....	809 60
		71	1568	Charles Reinfeldt, third estimate, Clifford and John R street sewer.....	707 20
		72	1569	Wagner & Mazain, fourth and final esti- mate, Gratiot avenue sewer.....	2,008 34
		73	1570	J. & T. Sullivan, R. H. Hall assignee, fourth estimate, Sixteenth street sewer.....	658 80

Date. Voucher. Warrant.					
July	31	74	1571	Pay-roll Inspectors of Sewers, July.....	\$322 00
Aug.	7	75	1643	Uridge & Bristow, first estimate Crawford street sewer.....	1,338 40
		76	1644	Ostrowski & Hildebrandt, first estimate, Scott street sewer. . . . .	322 00
		77	1645	Schneider & Kies, fourth estimate, Fremont street sewer, section 1.....	1,094 40
		78	1646	Buffalo Cement Co., water lime . . . . .	1,381 68
		79	1647	Union Akron Cement Co., water lime.....	817 70
		80	1648	Union Akron Cement Co., water lime.....	388 50
		81	1649	Pay-roll laborers, July 16 to August 6. . . .	51 68
		82	1650	The Detroit Tribune, advertising... . . . .	5 04
		83	1651	Daily Abend Post, German printing.....	5 16
Aug.	14	84	1732	Wm. Becht, first estimate, Twenty-fourth street sewer.....	1,170 44
		85	1733	Jaynes & Buchan, second estimate, Locust street sewer.....	846 56
		86	1734	August Zander, second estimate, Crawford street sewer, section 2.....	1,390 40
		87	1735	J. & J. Dettloff, second and final estimate, Magnolia street sewer.....	881 88
		88	1736	Charles Reinfeldt, fourth estimate, Clifford and John R street sewer . . . . .	742 56
		89	1737	J. & T. Sullivan, fifth and final estimate, Sixteenth street sewer.....	1,048 00
		90	1739	Horan & Sullivan, grates.....	73 92
		91	1740	Pay-roll Inspectors of sewers.....	235 00
	21	92	1795	Henry Collins, first estimate, Third avenue sewer.....	699 48
		93	1796	Uridge & Bristow, second estimate, Crawford street sewer.....	1,242 80
		94	1797	Pay-roll Inspectors of sewers.....	15 00
	28	95	1872	William Becht, second estimate, Twenty-fourth street sewer.....	536 44
		96	1873	August Zander, third estimate, Crawford street sewer, section 2. . . . .	1,091 20
		97	1874	Jaynes & Buchan, third and final estimate, Locust street sewer.....	716 16
		98	1875	Schneider & Kies, fifth and final estimate, Fremont street sewer, section 1.....	1,990 56
		99	1876	Batchelder & Long, sewer pipe, etc.....	162 52
		100	1877	D. L. Van De Werken, sand.....	3 00
		101	1878	Pay-roll Inspectors of sewers, August.....	249 00
		102	1879	The Detroit Tribune, advertising.....	2 73
Sept.	4	103	1952	Wagner & Mazain, first estimate, Magnolia street sewer, section 2.....	572 75
		104	1953	Henry Collins, second estimate, Third avenue sewer.....	553 32
		105	1954	Uridge & Bristow, third estimate, Crawford street sewer, section 1.....	956 00

Date.	Voucher.	Warrant.		
Sept.	4	106	1955 Charles Reinfeldt, fifth and final estimate, Clifford and John R. street sewer.....	\$1,339 18
	107	1956	C. A. Sheldon, water line.....	351 50
	108	1957	The Tribune Co., advertising sewers.....	3 50
	109	1958	Daily Abend Post, German advertising.....	6 28
	110	1959	Pay-roll Laborers, August 7th to Aug. 31st,	33 00
11	111	2059	Schneider & Kies, first estimate, Fremont street sewer, section 2.....	1,990 56
	112	2080	Jaynes & Buchan, first estimate, Fremont street sewer, section 3.....	775 11
	113	2081	William Becht, third estimate, Twenty- fourth street sewer.....	822 96
	114	2082	Uridge & Bristow, fourth and final esti- mate, Crawford street sewer, section 1,	1,388 80
	115	2083	August Zander, fourth and final estimate, Crawford street sewer, section 2.....	2,075 00
	116	2084	Buffalo Cement Co., water line.....	1,434 80
	117	2085	James E. Scripps, advertising.....	26 51
	118	2086	Pay-roll Inspectors public sewers.....	205 25
18	119	2098	Henry Collins, third estimate, Third avenue sewer.....	417 60
	120	2099	Batchelder & Long, sewer pipe.....	136 00
	121	2100	Charles Dupont, recording deeds, "Right of Way".....	2 00
25	122	2159	August Zander, first and final estimate, Eleventh street sewer.....	448 76
	123	2160	Wagner & Mazain, first and final estimate, Holden Road sewer.....	365 28
	124	2161	Jaynes & Buchan, second estimate, Fre- mont street sewer, section 3.....	739 87
	125	2162	Schneider & Kies, second estimate, Fre- mont street sewer, section 2.....	1,029 60
	126	2163	Wm. Becht, fourth estimate, Twenty- fourth street sewer.....	701 04
	127	2164	Pay-roll Inspectors of Sewers, September,	208 50
	128	2164	Pay-roll laborers on sewers.....	136 88
Oct.	2	129	2219 Henry Collins, first estimate, Beaubien street sewer.....	580 89
	130	2219	Henry Collins, fourth and final estimate, Third avenue sewer.....	679 62
	131	2220	Lasier & Co., water line.....	485 44
	132	2221	The Tribune Co., advertising sewers.....	3 22
	133	2222	Daily Abend Post, advertising sewers.....	4 08
9	134	2288	Anton Dettloff, first estimate, Labrosse street sewer.....	172 80
	135	2289	Wagner & Mazain, first estimate, Cass ave- nue sewer.....	343 20
	136	2290	Schneider & Kies, first estimate, Beaubien street sewer, section 2.....	660 48
	137	2291	Ferdinand Porath, first and final estimate, Riopelle street sewer.....	497 95



Date.	Voucher.	Warrant.		
Oct.	9	138	2292	Jaynes & Buchan, third estimate, Fremont street sewer, section 3. .... \$723 26
		139	2290	Schneider & Kies, third estimate, Fremont street sewer, section 2. .... 897 12
		140	2293	Batchelder & Long, sewer pipe, etc. .... 411 47
		141	2294	Buffalo Cement Co., water lime. .... 606 80
		142	2295	Union Akron Cement Co., water lime. .... 370 00
		143	2296	Pay-roll Inspector of Sewers, October. .... 210 00
	16	144	2264	Henry Collins, second estimate, Beaubien street sewer, section 2. .... 404 80
		145	2365	Anton Dettloff, second and final estimate, Labrosse street sewer. .... 129 40
		146	2366	Pay-roll Inspector of Sewers, October. .... 6 00
		147	2366	Pay-roll laborers, building receiving basins, 151 31
	19	148	2418	Wm. Becht, fifth and final estimate, Twenty-fourth street sewer. .... 1,299 49
	23	149	2424	Jaynes & Buchan, fourth estimate, Fremont street sewer, section 3. .... 645 92
		150	2435	Batchelder & Long, sewer pipe, etc. .... 85 16
		151	2436	Pay-roll Inspectors of Sewers, October. .... 144 00
	30	152	2496	Henry Collins, third estimate, Beaubien street sewer, section 2. .... 734 95
		153	2497	Schneider & Kies, fourth and final estimate, Fremont street sewer, section 2, 1,467 82
Nov.	9	154	2552	Daily Abend Post (German), advertising. .... 1 45
		155	2553	Jaynes & Buchan, fifth and final estimate, Fremont street sewer, section 3. .... 1,150 44
		156	2554	Pay-roll Inspectors Public Sewers. .... 129 00
		157	2554	Pay-roll laborers, October 15 to November 3 19 25
	13	158	2639	Jaynes & Buchan, first estimate, John R street sewer. .... 327 60
		159	2630	Schneider & Kies, second estimate, Beaubien street sewer, section 1. .... 1,189 33
		160	2631	Henry Collins, fourth estimate, Beaubien street sewer, section 2. .... 384 56
		161	2632	Buffalo Cement Co., water lime. .... 225 70
		162	2633	Union Akron Cement Co., water lime. .... 192 40
	20	163	2630	Wagner & Mazaln, second and final estimate, Cass avenue sewer. .... 369 81
		164	2631	Jaynes & Buchan, second and final estimate John R street sewer. .... 256 62
		165	2632	Pay-roll Inspectors sewers, November. .... 97 50
		166	2632	Pay-roll Laborers, grading over public sewers. .... 96 80
	27	167	2732	Schneider & Kies, third and final estimate, Beaubien street sewer, section 1. .... 391 85
Dec.	4	168	2796	Henry Collins, fifth and final estimate, Beaubien street sewer, section 2. .... 1,285 45
		169	2797	Lasier & Co., water lime. .... 792 54
		170	2798	Batchelder & Long, sewer pipe, etc. .... 200 49
		171	2799	C. C. Robinson, sand. .... 1 36

Date.	Voucher.	Warrant.		
Dec.	4 172	2800	Pay-roll Inspectors of sewers, November..	\$31 50
	173	2800	Pay-roll Laborers on sewers, November 5th	
			to November 29th.....	132 49
	18 174	2942	Buffalo Cement Co., water lime.....	48 84
	28 175	3003	Post and Tribune Co., advertising.....	1 47
1878.				
Jan.	4 176	3057	James E. Scripps, advertising.....	6 85
				<u>\$101,700 69</u>

## PUBLIC SEWER FUND—CONDENSED.

Pay-roll Inspectors .....	\$3,085 77
Pay-roll Laborers.....	796 73
Advertising.....	184 27
Sewer pipe .....	1,970 98
Water lime.....	9,756 48
Receiving basins.....	360 60
Castings.....	73 92
Miscellaneous.....	7 36
Ash street sewer. ....	271 94
Beaubien street sewer, section 1.....	\$2,612 07
Beaubien street sewer, section 2....	3,490 64
	6,102 71
Berlin street sewer.....	641 36
Cass avenue sewer.....	1,213 01
Crawford street sewer, section 1.....	\$4,936 00
Crawford street sewer, section 2.....	5,366 20
	10,302 20
Clifford and John R street sewer.....	4,380 14
Clifford and Park street sewer.....	5,338 61
Congress street sewer.....	4,039 05
Eleventh street sewer.....	443 76
Fremont street sewer, section 1.....	\$7,736 16
Fremont street sewer, section 2 ...	5,315 10
Fremont street sewer, section 3.....	4,033 60
	17,084 86
Fort street sewer.,.....	1,300 53
Gratiot avenue sewer.....	4,017 94
Holden Road sewer.....	365 26
Holden Road sewer.....	362 60
John R street sewer.....	584 22
Locust street sewer.....	2,477 92
Labrosse street sewer.....	302 20

Magnolia street sewer, section 1.....	\$1,068 56	
Magnolia street sewer, section 2.....	572 75	
		\$1,638 31
Mount Elliott avenue sewer.....		1,377 50
Riopelle street sewer.....		497 95
Rivard street sewer.....		6,160 43
Scott street sewer.....		302 00
Sixteenth street sewer.....		4,558 00
Third avenue sewer.....		2,350 03
Twenty-first street sewer, through Williams avenue.....		4,823 70
Twenty-fourth street sewer.....		4,530 37
		<u>\$101,700 69</u>
To balance January 31st, 1877.....		21,606 23
To balance January 31st, 1878.....		17,506 33
		<u>\$140,813 24</u>

	CR.	
By Appropriation, 1877.....		\$50,000 00
City Bids.....		2,311 24
Proceeds of sale of sewer bonds.....	\$32,500 00	
Loan.....	6,000 00	
Sale of lime.....	2 00	
		<u>88,502 00</u>
		<u>\$140,813 24</u>

## GENERAL SEWER FUND.

Date. Voucher. Warrant.					
1877.					
Feb.	6	1	80	Hardie & Fleming, first estimate, outlet First street sewer.....	\$150 00
		2	81	Pay-roll Superintendent repairs to receiving basins, January.....	49 00
		3	82	Pay-roll laborers, January 16 to January 31,	63 95
13	4	136		Guy F. Hinchman & Co., rope.....	2 85
		5	137	Fleming & Hardie, second and final estimate, outlet First street sewer.....	592 91
20	6	189		Fleming & Hardie, extra labor and material on outlet First street sewer.....	41 13
		7	190	Pay-roll laborers, February 1 to February 15	53 50
27	8	239		Pay-roll Superintendent repairs to receiving basins, February .....	84 00
		9	230	A. G. Taylor, work on scoop-shovel, etc....	2 50
March	6	10	277	Byram, Nuppenau & Clark, repairs foot of First street.....	4 85

## CITY CONTROLLER.

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Date. Voucher, Warrant.					
March	18	11	381	Pay-roll laborers, February 17 to March 7, Guy F. Hinchman, rope.....	\$54 25
	27	12	439		2 64
April	8	13	488	Pay-roll Superintendent repairs to receiving basins, March.....	94 50
		14	484	Pay-roll laborers, cleaning snow, March 1 to 31.....	40 38
	17	15	587	Pay-roll Superintendent lateral sewers, April.....	8 25
May	1	16	680	Pay-roll Superintendent repairs to sewers, April.....	37 50
		17	681	Pay-roll laborers, April 1 to April 28.....	85 63
		18	681	Pay-roll laborers, April 1 to April 28.....	67 38
		19	682	John Greusel & Son, bill of brick.....	6 50
	8	20	763	Pay-roll Inspectors lateral sewers.....	2 25
	15	21	823	Pay-roll Inspectors lateral sewers.....	4 50
	22	22	891	Charles Reinfeldt, first estimate, sewer for receiving basins.....	140 80
		23	892	Pay-roll Superintendent lateral sewers, May.....	18 00
		24	892	Pay-roll Superintendent lateral sewers, May.....	9 00
	29	25	949	Charles Reinfeldt, final estimate, sewer for receiving basin.....	126 08
		26	950	Pay-roll Superintendent lateral sewers, May.....	9 00
June	5	27	1022	Batchelder & Long, sewer pipe.....	845 01
		28	1021	Horan & Sullivan, grate for receiving basins.....	128 11
		29	1023	Charles Glaser, oil, wick and car fare.....	1 81
		30	1024	Pay-roll laborers, April 30 to June 1.....	244 20
		31	1024	Pay-roll Superintendent receiving basins..	94 50
		32	1024	Pay-roll Inspector lateral sewers.....	12 00
	12	33	1091	Buffalo Cement Co., water lime.....	37 74
		34	1092	John Snow, stench traps.....	132 00
		35	1093	Guy F. Hinchman & Co., red globe for lamps.....	1 00
	19	36	1158	James E. Scripps, advertising.....	16 23
		37	1159	N. Armstrong, straight edges, City Engineer.....	15 00
		38	1160	C. C. Robinson, bill of sand.....	5 60
		39	1161	Pay-roll laborers, June 2 to June 16.....	219 47
	26	40	1222	Horan & Sullivan, grates for sewers.....	137 65
		41	1223	F. D. Eatherly, lumber for sewers.....	124 83
		42	1224	Lester & Co., water lime.....	28 86
July	2	43	1309	Pay-roll Laborers, June 18th to June 30th,	111 91
		44	1309	Pay-roll Superintendent repairs to sewers,	91 00
	10	45	1370	Buffalo Cement Co., water lime.....	25 90
		46	1371	W. H. Anderson, repairing tools.....	6 48
		47	1372	Batchelder & Long, sewer pipe.....	615 96
		48	1373	James L. Fisher, water pails, etc.....	1 73

## ANNUAL REPORT OF THE

Date: Voucher. Warrant.					
July	10	49	1874		
			Ostrowski & Hildebrandt, extra labor, etc., lateral sewers.....	\$13 15	
	17	50	1439	Pay-roll Inspector lateral sewers.....	12 00
		51	1439	Pay-roll Laborers, building and repairing basins.....	89 45
	24	53	1497	Anton Dettloff, extra labor, Mt. Elliott avenue sewer.....	13 90
		53	1498	Horan & Sullivan, sewer grates.....	108 52
	31	54	1572	Pay-roll Inspectors lateral sewers, July....	12 00
		55	1572	Pay-roll Superintendent repairs to sewers,	91 00
Aug.	7	56	1653	M. & W. H. Henderson, sewer for receiving basins.....	302 40
		57	1654	Union Akron Cement Co., water lime.....	37 00
		58	1655	Buffalo Cement Co., water lime.....	23 88
		59	1656	Pay-roll Laborers, July 16th to August 6th,	143 06
		60	1657	Charles Glaser, oil wick, etc.....	2 73
	14	61	1741	Pay-roll Inspector lateral sewers, August..	15 00
		62	1741	Pay-roll Inspector lateral sewers, August..	4 00
	21	63	1798	Pay-roll Laborers, August 13 to August 18,	16 00
	28	64	1890	Batchelder & Long, receiving basins, etc..	902 20
		65	1891	D. L. Van De Werken, sand.....	23 80
		66	1892	Pay-roll Inspectors of lateral sewers.....	48 00
		67	1893	The Detroit Tribune Co., advertising.....	3 78
Sept.	4	68	1960	Pay-roll Superintendent of repairs to sewers, August.....	94 50
		69	1960	Pay-roll Laborers, repairs, August 7th to August 31st.....	314 96
		70	1961	Coulson & Morhous, wheelbarrow, etc....	3 50
		71	1962	John Campbell, freight on stench traps...	3 32
	11	72	2037	Buffalo Cement Co., water lime.....	13 32
		73	2038	Horan & Sullivan, sewer grates, etc.....	148 06
		74	2039	H. W. Clapp, sewer caps.....	60 00
		75	2040	John Campbell, express charges on sewer traps.....	4 80
		76	2041	John Sullivan, first estimate, German street sewer.....	159 50
		77	2042	Pay-roll Inspectors lateral sewers.....	30 00
		78	2042	Pay-roll Inspectors lateral sewers.....	36 50
		79	2042	Pay-roll Laborers, September 1st to September 7th,....	59 00
	18	80	2101	Ostrowski & Hildebrandt, sewer in Hazel street for receiving basins.....	225 84
		81	2101	Ostrowski & Hildebrandt, sewer in Locust street for receiving basins.....	90 20
		82	2102	Detroit Cement & Sewer Pipe Co., sewer pipe.....	302 61
		83	2137	Batchelder & Long, receiving basins and sewer pipe....	792 21
		84	2103	James McEwan & Co., repairing water pipe.....	1 49
		85	2104	Pay-roll Inspector lateral sewers.....	22 50

## CITY CONTROLLER.

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Date.	Voucher.	Warrant.		
Sept. 25	86	2165	John Sullivan, second and final estimate, German street sewer.....	\$218 45
	87	2166	Ostrowski & Hildebrandt, sewers for receiving basins.....	196 00
	88	2167	John Greusel & Sons, brick.....	6 20
	89	2168	Pay-roll Inspectors of sewers, September,	54 00
	90	2168	Pay-roll laborers, repairs to sewers.....	397 44
Oct. 2	91	2223	Lasier & Co., water lime.....	88 06
	92	2224	Horan & Sullivan, sewer grates.....	34 28
	93	2242	Charles Glaser, freight on stench traps....	8 22
	94	2225	Ferdinand Porath, putting in sewer crock,	2 00
	95	2226	Pay-roll Inspector repairs to sewers.....	87 50
	9 96	2297	John Sullivan, first and final estimate, Father street sewer....	376 85
	97	2298	Batchelder & Long, receiving basins, pipe, etc.....	535 00
	98	2299	Buffalo Cement Co., water lime.....	28 12
	99	2300	J. & J. Snow, stench traps.....	108 00
	100	2301	W. H. Anderson, repairing tools.....	12 71
	101	2302	Pay-roll Inspectors lateral sewers.....	34 00
16	102	2367	August Zander, first estimate, Farnsworth street sewer.....	432 68
	103	2368	Horan & Sullivan, sewer grates.....	111 55
	104	2369	Hugh Moffatt, timber for repairs to sewer,	3 64
	105	2370	Guy F. Hinchman & Co., 1 red globe.....	1 00
	106	2371	Charles Dupont, recording deed.....	1 00
	107	2372	Pay-roll Inspector lateral sewers.....	12 00
	108	2372	Pay-roll laborers, repairing receiving bas- ins.....	320 42
	23 109	2437	Anton Dettloff, sewer for receiving basins, Beaubien street.....	100 15
	110	2438	Batchelder & Long, receiving basins, etc..	620 17
	111	2439	Pay-roll Inspector lateral sewers.....	28 00
	30 112	2498	Detroit Cement Sewer Pipe Co., sewer pipe,	131 27
	113	2499	Charles Glaser, car fare and oil.....	1 44
	114	2500	Pay-roll Inspector of sewers, October....	94 50
Nov. 9	115	2555	Jaynes & Buchan, extra work, Congress street sewer.....	25 75
	116	2556	J. & J. Snow, stench traps.....	112 00
	117	2557	Horan & Sullivan, sewer grates.....	111 55
	118	2558	W. H. Anderson, repairing tools.....	1 57
	119	2559	Pay-roll Inspectors lateral sewers.....	24 00
	120	2559	Pay-roll laborers, October 15 to Novem- ber 3....	177 28
	13 121	2634	Buffalo Cement Co., water lime.....	19 24
	20 122	2638	Cobb, Wallace & Law, stone.....	1 09
	123	2634	Pay-roll Inspector lateral sewers.....	24 00
Dec. 4	124	2801	Batchelder & Long, receiving basins.....	496 17
	125	2802	Lasier & Co., water lime.....	54 02
	126	2803	C. C. Robinson, sand.....	12 40
	127	2804	Charles Glaser, car fare.....	1 59

## ANNUAL REPORT OF THE

Date.	Voucher.	Warrant.			
Dec.	4	128	2805	Pay-roll Superintendent receiving basins..	\$91 00
		129	2805	Pay-roll Inspectors lateral sewers.....	86 50
		130	2805	Pay-roll Laborers, November 5th to Novem- ber 29th.....	79 09
11	131	2864		Pay-roll Inspector lateral sewers.....	18 00
	132	2865		Horan & Sullivan, sewer grates.....	111 55
	133	2866		August Zander, sewer pipe.....	20 00
18	134	2843		The Tribune Co., advertising.....	3 78
	135	2844		Pay-roll Laborers, December 1st to Decem- ber 17th.....	136 43
28	136	3004		Post and Tribune, advertising.....	9 94
	137	3005		Horan & Sullivan, sewer grates.....	31 98
	138	3044		D. L. Van De Werken, sand.....	19 00
1878.					
Jan.	4	139	3060	James E. Scripps, advertising.....	6 74
		140	3061	Batchelder & Long, receiving basins, sewer pipe, etc.....	483 80
		141	3062	Pay-roll Superintendent repairs to sewers,	91 00
		142	3062	Pay-roll Laborers, December 18th to De- cember 31st.....	84 70
	8	143	3119	Fleming & Hardy, first estimate, Riopelle street outlet .....	100 00
		144	3120	Lasier & Co., water lime.....	8 88
		145	3121	Daily Abend Post, German advertising....	2 42
		146	3122	W. H. Anderson, repairing tools.....	3 20
	15	147	3162	Fleming & Hardy, second and final esti- mate, Riopelle street outlet .....	430 00
		148	3163	Cobb, Wallace & Law, cutting receiving basins .....	1 30
		149	3164	Pay-roll Laborers, January 2 to January 12,	61 48
22	150	3218		Post and Tribune Co., advertising .....	6 30
	151	3219		Buffalo Cement Co., water lime....	2 96
					<hr/> \$15,865 44

## GENERAL SEWER FUND—CONDENSED.

Pay-roll masons and laborers.....	\$2,824 96
Pay-roll Superintendents.....	1,514 50
Sewer pipe.....	1,915 75
Water lime.....	387 78
Tools and repairs.....	44 96
Receiving basins.....	3,878 55
Grates and covers.....	983 35

Sewer traps.....	\$352 00	
Brick and sand.....	73 30	
Lumber.....	128 47	
Sewers for receiving basins.....	1,083 47	
Farnsworth street sewer.....	482 64	
Father street sewer.....	376 85	
Riopelle street sewer.....	530 00	
German street sewer.....	377 95	
First street outlet.....	784 08	
Extra labor.....	52 80	
Advertising.....	49 24	
Sundries.....	44 78	
		\$15,865 44
To Balance, January 31, 1878.....		14,118 42
		<u>\$29,983 86</u>

			CR.
By Balance, January 31, 1877.....	\$8,243 30		
General Sewer Tax, 1877.....	20,304 50		
Lateral sewer connections transferred.....	409 00		
Lateral sewer inspection transferred.....	326 18		
City Bids.....	697 88		
Sale lime barrels.....	\$1 00		
Sale of lime.....	2 50		
		3 50	
		<u>\$29,983 86</u>	

## PUBLIC BUILDING FUND.

Date. Voucher. Warrant.

1877.

Feb.	1	1	19	Alex Chapoton, Jr., repairing stone floor, Cass Market.....	\$3 94
		2	20	Marcus Stevens & Co., furniture for Coun- cil Chamber.....	158 00
		3	21	Holmes & Webster, slop sink, etc.....	8 30
	18	4	148	Byram, Nuppenau & Clark, repairing furni- ture, etc., City Hall.....	6 95
		5	149	Phillbrick & Christie, grates for furnace...	17 64
March	6	6	288	James L. Fisher, padlock and hinges.....	1 43
		7	289	Byram, Nuppenau & Clark, material and labor in offices.....	25 09
	20	8	404	James McEwan & Co., plumbing, etc.....	60 56





Date.	Voucher.	Warrant.			
April	2	9	497	J. B. Wilson, repairs City Hall clock.....	\$6 50
	10	10	552	Byram, Nuppenau & Clark, furniture Gas Inspector's office.....	17 90
	24	11	663	Ducharme, Fletcher & Co., bench vise, En- gineer.....	5 75
May	8	12	769	James Nall, Jr., & Co., carpet, etc., Clerk Recorder's Court.....	184 18
	15	13	832	Deans, Brow & Godfrey, glazing and paint- ing.....	7 08
	22	14	955	Byram, Nuppenau & Clark, counters for Receiver's office.....	128 78
		15	956	H. K. Roberts, repairs to roof City Hall...	35 25
June	5	16	1083	James J. Martin, painting City Hall.....	204 00
		17	1084	James McEwan & Co., plumbing.....	35 35
		18	1095	Byram, Nuppenau & Clark, repairs.....	8 78
	12	19	1099	Holmes & Webster, repairing roof City Hall.....	57 90
		20	1100	James L. Fisher, bill of screws.....	15
	19	21	1171	James E. Scripps, advertising.....	2 45
	26	22	1236	Boydell Bros., white lead and oil.....	13 45
		23	1237	F. D. Eatherly, bill of lumber.....	4 00
		24	1238	James McEwan & Co., repairs to City Hall,	2 72
July	10	25	1381	Coulson & Morhous, drinking cups, etc....	3 60
	17	26	1446	Byram, Nuppenau & Clark, repairs to City Hall.....	6 66
	31	27	1578	W. S. Penfield, agent, bill of tools.....	17 39
Aug.	7	28	1662	Deans, Brow & Co., materials, etc., Receiv- er's office.....	14 12
	17	29	1775	Charles S. Jack, gas pipe in City Hall tower, etc.....	65 90
	28	30	1889	H. K. Roberts, repairing roof Market.....	37 25
Oct.	2	31	2232	Phillbrick & Christie, grates for heaters...	66 36
	16	32	2378	Wm. Schultheis, marble mantel, Control- ler's office.....	55 00
		33	2379	Galvin Bros. & Co., packing nuts.....	5 20
	23	34	2445	Deans, Brow & Godfrey, lettering signs...	75
	30	35	2503	M. Limbach, lock, Assessor's office.....	1 13
		36	2504	Jacob Welz, window fasteners.....	75
Nov.	9	37	2566	E. Chope & Son, repairs City Hall.....	1 00
	13	38	2637	James L. Fisher, door spring.....	35
	20	39	2689	James McEwan & Co., plumbing in City Hall.....	18 81
	27	40	2737	F. Borchard, book case for Treasurer's office.....	95 00
Dec.	4	41	2811	Lasier & Co., water lime.....	1 48
		42	2812	Pay-roll Laborers, repairs to basement of City Hall.....	2 85
	11	43	2872	James L. Fisher, screws.....	5 50
	18	44	2947	James McEwan, plumbing, City Hall base- ment.....	58 79

## CITY CONTROLLER.

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Date.	Voucher.	Warrant.		
Dec. 18	45	2948	Byram, Nuppenau & Clark, repairs to water closets .....	\$71 93
	46	2949	Alexander Chapoton, Jr., mason work, City Hall .....	92 58
	47	2950	Wm. A. Wain, iron braces .....	1 50
1878.				
Jan. 4	48	3069	Deans, Brow & Godfrey, glass, Eastern Hay Market .....	95
	49	3070	James L. Fisher, nails .....	18
	50	3197	Geo. A. Ross & Co., lumber .....	3 00
	51	3128	Reid & Hills, glazing in City Hall tower .....	2 15
	52	3170	F. Wetmore & Co., glass globes, etc .....	38 60
22	53	3225	Byram, Nuppenau & Clark, sash cord .....	2 75
	54	3226	Byram, Nuppenau & Clark, case pigeon holes, Controller's office .....	11 00
	55	3226	James McEwan, repairing rain conductor, Market .....	7 70
	56	3227	J. F. Weber & Co., lumber for shed, Pound, Eastern District .....	13 39
				<u>\$1,695 82</u>

## PUBLIC BUILDING FUND—CONDENSED.

Repairs to City Hall .....	\$308 74
Painting and glazing in City Hall .....	227 38
Repairs to water closets, City Hall .....	71 93
Gas fitting and fixtures .....	104 50
Repairing clock .....	6 50
Furniture and repairs .....	465 34
Plumbing .....	181 81
Grates for furnace, etc .....	84 00
Carpets, Recorder's Court .....	184 18
Marble mantels .....	55 00
Repairs to Markets .....	58 49
Lumber .....	20 39
Tools and Hardware .....	33 68
Advertising .....	2 45
Miscellaneous .....	2 43
	<hr/>
	\$1,695 82
To Balance, January 31st, 1878 .....	2,758 46
	<hr/>
	\$4,454 28

	CR.
By Balance, January 31st, 1877.....	\$1,337 78
Appropriation, 1877.....	3,000 00
City Bids .....	116 50
	<u>\$4,454 28</u>

## PARK IMPROVEMENT FUND.

Date.	Voucher.	Warrant.			
1877.					
March	6	1	280	Pay-roll Laborers, grading Macomb Park,	\$11 98
	20	2	405	Pay-roll Laborers, grading Macomb Park,	3 50
April	17	3	591	Pay-roll Laborers, grading Macomb Park,	29 30
	19	4	584	Frank Alofski, amount uncalled for on pay-roll, April 10, 1876.....	50
	24	5	643	James Maloney, soda for Macomb Park...	4 26
		6	644	Pay-roll Laborers, east Grand Circus Park.	35 22
May	1	7	687	Pay-roll Laborers, east Grand Circus Park.	91 10
		8	686	Foley & Moran, gravel for Macomb Park.	30 00
	8	9	770	Pay-roll Laborers, April 28th to May 4th..	93 25
	15	10	883	Deans, Brow & Godfrey, painting in parks,	22 83
		11	884	Pay-roll Laborers, from May 5th to May 11.	134 88
	22	12	898	Mark Flanigan, bill of gravel.....	68 00
		13	899	John Greusel, bill of tiles..	40 50
		14	900	Galvin Bros. & Co., lawn sprinkler.....	6 75
		15	902	Pay-roll Laborers, from May 12 to May 18.	139 00
	29	16	957	Mark Flanigan, bill of gravel.....	48 00
		17	958	Detroit Seed Co., bill of grass seed.....	1 75
		18	959	Pay-roll Laborers, from May 19 to May 25.	109 00
June	5	19	1036	John Mercier, bill of soda.....	72 77
		20	1037	Batchelder & Long, sewer pipe.....	22 04
		21	1037	Batchelder & Long, sewer pipe.....	2 25
		22	1038	Pay-roll Laborers, from May 26 to June 1st.	69 25
	12	23	1101	Mark Flanigan, gravel for parks.....	34 08
		24	1102	W. S. Penfield, lawn settees.....	66 00
		25	1103	James L. Fisher, hinges, etc., Cass Park..	40
		26	1104	Pay-roll Laborers, June 2d to June 8th. ...	37 50
	26	27	1239	James McEwan & Co., repairs to fountains.	37 64
		28	1240	Cobb, Wallace & Law, repairs to fountains.	9 08
		29	1241	G. Ferrand, bill of trees for parks.....	13 80
		30	1242	Boydell Bros., paint.....	3 84
		31	1243	Pay-roll Laborers, from June 9 to June 22.	47 19
July	10	32	1382	Deans, Brow & Godfrey, painting foun- tains.....	46 66
		33	1383	Pay-roll Laborers, June 23d to July 6th....	44 25

Date.	Voucher.	Warrant.			
July	24	34	1505	Pay-roll Laborers, July 7th to July 20th....	\$45 00
	31	35	1579	W. S. Penfield, bill of tools.....	33 10
Aug.	7	36	1663	Pay-roll Laborers, July 21 to August 3d....	48 00
	21	37	1804	Pay roll Laborers, August 4th to August 17.	40 33
	28	38	1890	James McEwan & Co., repairs to fountains.	3 90
		39	1891	William Adair, trees.....	5 70
Sept.	4	40	1968	Pay-roll Laborers, August 18 to August 31.	41 25
	11	41	2047	Byram, Nuppenau & Clark, 1 ash seat slat.	30
	18	42	2109	James McEwan & Co., repairs to fountain, Center Park.....	1 19
		43	2110	Pay-roll Laborers, September 1 to Septem- ber 14.....	35 50
Oct.	2	44	2223	Pay-roll Laborers, September 15 to Septem- ber 28.....	42 50
	16	45	2380	Pay-roll Laborers, September 29 to Octo- ber 12.....	49 75
	30	46	2505	Pay-roll Laborers, October 13 to October 26.	55 13
		47	2506	W. S. Penfield, repairing tools.....	10 40
Nov.	9	48	2567	E. Choep & Son, repairs to fence, Cass Park.....	1 00
		49	2568	Pay-roll Laborers, October 15 to Novem- ber 3.....	24 25
	13	50	2638	Pay-roll Laborers, October 11 to Novem- ber 9.....	45 76
		51	2639	James L. Fisher, door springs and screws.	55
	30	52	2690	Watson & Masterton, sods for parks .....	37 68
	27	53	2647	James McEwan & Co., urinals.....	621 23
		54	2739	Beyster & Co., lumber for fountain covers in parks.....	25 42
		55	2740	J. McGoldrick & Co., lumber for parks....	5 01
		56	2741	Watson & Masterton, sods for Grand Cir- cus Park .....	84
		57	2742	Pay-roll Laborers, November 10 to Novem- ber 23.....	32 50
		58	2743	Mark Flanigan, gravel.....	10 00
Dec.	4	59	2813	Lasier & Co., water lime.....	1 48
		60	2814	Pay-roll Laborers, November 26 to Decem- ber 1.....	7 50
	11	61	2872	Batchelder & Long, sewer pipe, etc., Grand Circus Park.....	37 06
		62	2873	James L. Fisher, screws for fountain cov- ers.....	1 50
	18	63	2951	Batchelder & Long, sewer pipe.....	23 22
1878.					
Jan.	4	64	3071	Deans, Brow & Godfrey, paint, etc.....	10 72
					<u>\$2,666 24</u>

## PARK IMPROVEMENT FUND—CONDENSED.

Pay-roll laborers.....	\$1,312 39
Lumber and repairs to Parks.....	34 16
Repairs to fountain covers .....	56 31
Trees.....	19 50
Tools and repairs to same .....	43 50
Drain pipe and Tiles.....	125 07
Gravel and sods.....	297 38
Lawn settees.....	66 00
Painting, etc.....	84 05
Urinals.....	621 23
Lawn sprinkler .....	6 75
	<u>\$2,666 24</u>
	CR.
By City Bids .....	\$17 30
Contingent Fund transferred.....	2,648 94
	<u>\$2,666 24</u>

## SUPERIOR COURT FUND.

Date. Voucher. Warrant.

1877.

Feb.	1	1	22	Walter S. Harsha, to sundry persons for moving furniture, etc., to Superior Court Room.....	\$6 25
	6	2	90	Wm. A. Scripps, blanks for Superior Court,	49 25
		3	91	E. B. Smith & Co., stationery for Superior Court.....	20 12
		4	92	Pay-roll Sheriff and Deputies, January 2d to January 31st.....	195 00
		5	93	Pay-roll Jurors, January 11 to February 2,	684 00
	20	6	199	Pay-roll City Offices, February.....	666 66
		7	200	Pay-roll Jurors, February 5 to February 15,	378 00
March	6	8	202	C. H. Buhl, rent of Court Room and Clerk's office, three months.....	531 25
		9	203	Detroit Safe Co., fire-proof safe and putting same in Clerk's office.....	140 00
		10	204	Wm. A. Scripps, letter heads.....	1 30
	13	11	206	Pay-roll Deputy Sheriffs, February 1st to March 3d.....	110 00

Date.	Voucher.	Warrant.		
March	27 12	452	Pay-roll, City Officers, March.....	\$666 67
	29 13	417	Wm. A. Scripps, printing blanks.....	73 07
April	3 14	498	Wm. A. Scripps, printing dockets, etc.....	30 63
	10 15	553	Pay-roll, Deputy Sheriffs, March 13th to April 9th.....	120 00
		553	Pay-roll Jurors, March 15th to April 6th...	676 00
	17 17	592	Wohnlich & Zabriskie, rubber stamps for Clerk of Court.....	2 50
	24 18	645	Pay-roll Officers of Superior Court, April,	666 66
May	1 19	727	James F. O'Neil, dinner for jurymen.....	7 50
	8 20	771	Pay-roll Deputy Sheriffs.....	120 00
		771	Pay-roll Jurors.....	878 00
		772	E. B. Smith & Co., bill of stationery.....	48 18
	15 23	871	Marcus Stevens, desk for office of Clerk of Court.....	75 00
	21 24	875	J. H. Kaple, P. M., postage stamps.....	5 00
	22 25	908	Pay-roll Officers of Superior Court, May...	666 67
June	5 26	1040	Pay-roll Deputy Sheriffs, Superior Court, May.....	122 50
		1040	Pay-roll Jurors, Superior Court, May.....	654 00
	12 28	1106	C. H. Buhl, rent of rooms for Court, three months, to May 31st.....	354 47
		1106	The Detroit Tribune, official printing.....	1 82
		1107	Wm. A. Scripps, printing blanks.....	44 88
	26 31	1244	Pay-roll Officers of Superior Court, June..	666 66
July	10 32	1386	E. B. Smith & Co., stationery, etc.....	55 93
		1387	Pay-roll Jurors, June 5th to July 6th.....	894 00
		1387	Pay-roll Deputy Sheriffs, June 5 to July 6,	140 00
	24 35	1506	Pay-roll Officers of Superior Court, July,	666 66
Aug.	7 36	1664	Pay-roll Deputy Sheriffs, Superior Court, August.....	70 00
		1665	Wm. A. Scripps, printing blanks, etc.....	38 88
	21 38	1806	Pay-roll Officers of Superior Court, August,	666 67
Sept.	4 39	1970	Thos. McGraw, rent of Superior Court Rooms, three months, to August 31st...	250 00
	11 40	2048	E. B. Smith & Co., stationery.....	31 86
	25 41	2172	Pay-roll City Offices, Superior Court, September.....	666 66
Oct.	2 42	2197	J. H. Kaple, P. M., postage stamps, Superior Court.....	5 00
	16 43	2382	Pay-roll Jurors, Superior Court, September 13 to October 15.....	830 00
		2382	Pay-roll Sheriff and Deputies, Superior Court, September 10 to October 15.....	245 00
		2383	E. B. Smith & Co., stationery, etc., Superior Court.....	4 41
	23 46	2446	Pay-roll Officers, Superior Court, October,	666 67
	13 47	2641	Pay-roll Sheriff and Deputies, Superior Court, October 16 to November 12.....	230 00
		2641	Pay-roll Jurors, Superior Court, October 12 to November 9.....	742 00

Date.	Voucher.	Warrant.		
Nov. 18 49	2642	E. B. Smith & Co., stationery, Superior Court.....		\$6 75
20 50	2691	Pay-roll City Officers, Superior Court, November.....		666 67
Dec. 4 51	2815	Thomas McGraw, rent of offices and Court room to November 30.....		250 00
18 52	2952	Pay-roll City Offices, Superior Court, December.....		666 67
53	2952	Pay-roll Jurors, Superior Court, December.....		888 00
54	2952	Pay-roll Sheriff and Deputies, Superior Court, November 13 to December 17....		290 00
1878.				
Jan. 8 55	3129	Pay-roll Sheriff and Deputies, Superior Court, December 18 to January 7.....		160 00
15 56	3171	Pay-roll Jurors, Superior Court, December 19 to January 12.....		464 00
22 57	3229	E. B. Smith & Co., stationery, Superior Court.....		5 68
58	3230	Pay-roll City Officers, Superior Court, January.....		666 66
				<u>\$18,929 77</u>

**SUPERIOR COURT FUND—CONDENSED.**

Pay-roll City Offices.....	\$7,909 98
Pay-roll Jurors.....	7,088 00
Pay-roll Sheriff and Deputies.....	1,802 50
Rent of Court Room.....	1,386 42
Printing and advertising.....	239 73
Stationery, etc.....	172 89
Furniture, etc.....	81 25
Fire proof safe.....	140 00
Postage.....	10 00
Miscellaneous.....	10 00
	<hr/>
	\$18,929 77
	CR.
By Fees.....	\$5,908 00
General Fund transfer.....	13,026 77
	<hr/>
	\$18,929 77

## RECORDER'S COURT FUND.

Date. Voucher. Warrant.

1877.

Feb.	6	1	89	E. B. Smith & Co., stationery.....	\$5 30
March	6	2	291	Walter H. Coots, services in Recorder's Court, February.....	12 50
May	15	3	835	Walter H. Coots, services in Recorder's Court, March.....	7 50
		4	835	Walter H. Coots, services in Recorder's Court, April.....	5 00
		5	836	E. B. Smith & Co., stationery.....	8 69
		6	1039	Walter H. Coots, services in Recorder's Court, May.....	5 00
July	10	7	1384	E. B. Smith & Co., stationery.....	50
		8	1385	Wm. A. Scripps, printing 50 "Time Cards,"	6 00
Sept.	4	9	1969	E. B. Smith & Co., Stationery, etc.....	2 86
Oct.	2	10	2234	E. B. Smith & Co., Thirty-fourth Michigan Report.....	3 00
		16	11	E. B. Smith & Co., stationery, etc.....	6 97
Nov.	13	12	2640	E. B. Smith & Co., stationery, etc.....	24 00

1878.

Jan.	22	13	3228	E. B. Smith & Co., stationery, etc.....	19
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\$37 51

## RECORDER'S COURT FUND—CONDENSED.

Sheriff's fees.....	\$30 00	
Printing and stationery.....	57 51	
		\$37 51
To General Fund, amount transferred.....	15,492 34	
		<u>\$15,529 85</u>
CR.		
By Balance, January 31, 1877.....	\$14,425 35	
Fines and fees.....	1,154 50	
		<u>\$15,579 85</u>



## POLICE COURT, CENTRAL STATION FUND.

Date. Voucher. Warrant.

1877.

April	3	1	526	Treasurer of Wayne County, amount of fines, etc., quarter ending March 31.....	\$855 00	
July	10	2	1390	Treasurer of Wayne County, amount of fines, etc., quarter ending June 30.....	870 00	
Aug.	30	3	1857	Mrs. Margaret Ennis, amount of fine remitted by Judge of Wayne Circuit Court ...	40 00	
Oct.	9	4	2343	Treasurer of Wayne County, amount of fines, etc., quarter ending September 30,	2,414 00	
1878.						
Jan.	8	5	3149	Treasurer of Wayne County, amount of fines, etc., quarter ending December 31,	1,057 00	\$5,356 00
To Balance, January 31st, 1878.....					725 00	\$5,961 00
						<u>\$5,961 00</u>
					Cr.	
By Balance, January 31st, 1877.....					\$300 00	
Fines and fees.....					5,761 00	\$5,961 00
						<u>\$5,961 00</u>

## CITY POUND FUND, EASTERN DISTRICT.

Date. Voucher. Warrant.

1877.

March	6	1	295	C. O'Connor, impounding animals.....	\$1 00
May	1	2	688	Wm. E. England, impounding animals.....	1 00
	8	3	776	Henry Miller, impounding animals.....	1 00
		4	777	F. Carmody, impounding animals.....	4 00
	15	5	838	D. C. Nicholls, impounding animals.....	1 00
		6	839	Peter Olef, impounding animals.....	1 00
		7	840	John Campbell, impounding animals.....	3 50
		8	841	J. B. Shield, impounding animals.....	1 00
		9	842	Wm. E. England, impounding animals....	3 50
		10	843	James Johnson, impounding animals.....	2 00

## CITY CONTROLLER.

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Date. Voucher. Warrant.					
May	15	11	844	Charles Schmitt, feed for impounded animals.....	\$11 55
	22	12	905	D. C. Nicholls, impounding animals.....	1 00
		13	906	Wm. Snyder, impounding animals.....	1 50
		14	907	John Jantz, impounding animals.....	1 00
		15	908	James Johnson, impounding animals.....	1 00
		16	909	Charles Schmitt, impounding animals....	50
	29	17	961	Christopher Shank, impounding animals..	1 00
		18	962	Eugene A. Smith, impounding animals....	8 50
		19	963	James Johnson, impounding animals.....	1 00
June	5	20	1043	Eugene A. Smith, impounding animals....	1 50
		21	1043	James Johnson, impounding animals.....	1 00
		22	1044	T. H. Carmody, impounding animals.....	50
	12	23	1109	Wm. Snyder, impounding animals.....	2 25
		24	1110	James Johnson, impounding animals.....	1 00
	19	25	1173	Wm. Snyder, impounding animals.....	2 25
		26	1174	John B. Ryan, impounding animals.....	2 00
	26	27	1246	John McClellan, impounding animals ....	4 00
July	3	28	1318	Pay-roll sundry persons, impounding animals.....	3 00
	10	29	1391	Pay-roll sundry persons, impounding animals.....	3 50
	17	30	1448	Pay-roll sundry persons, impounding animals.....	2 00
	24	31	1508	Pay-roll sundry persons, impounding animals.....	10 30
Aug.	7	32	1687	Pay-roll sundry persons, impounding animals.....	11 50
	14	33	1746	Pay-roll sundry persons, impounding animals.....	7 50
	21	34	1807	Pay-roll sundry persons, impounding animals.....	3 00
	28	35	1892	Pay-roll sundry persons, impounding animals.....	10 00
Sept.	4	36	1971	Pay-roll sundry persons, impounding animals.....	3 00
	11	37	2050	Pay-roll sundry persons, impounding animals.....	2 40
	18	38	2113	Pay-roll sundry persons, impounding animals.....	1 25
	25	39	2174	Pay-roll sundry persons, impounding animals.....	2 50
Oct.	2	40	2236	Pay-roll sundry persons, impounding animals.....	5 50
	9	41	2309	Pay-roll sundry persons, impounding animals.....	5 00
	16	42	2361	Pay-roll sundry persons, impounding animals.....	3 00
	23	43	2449	Pay-roll sundry persons, impounding animals.....	2 00

## ANNUAL REPORT OF THE

Date. Voucher. Warrant.					
Oct.	30	44	2508	Pay-roll sundry persons, impounding animals.....	\$1 00
Nov.	9	45	2572	Pay-roll sundry persons, impounding animals.....	1 00
	30	46	2694	Pay-roll sundry persons, impounding animals....	5 00
	27	47	2746	Pay-roll sundry persons, impounding animals.....	1 00
1878.					
	4	48	3074	Pay-roll sundry persons, impounding animals.....	2 50
					<u>\$146 50</u>

## CITY POUND FUND, EASTERN DISTRICT—CONDENSED.

Amount paid for impounding animals.....	\$134 95	
Amount paid for feed for impounded animals.....	11 55	\$146 50
		<u>81 25</u>
To General Fund, balance transferred.....		<u>\$227 75</u>
		CR.
By amount paid in treasury by Pound Master....		<u>\$227 75</u>

## CITY POUND FUND, WESTERN DISTRICT.

Data. Voucher. Warrant.					
1877.					
Feb.	1	1	24	John G. Gascon, impounding animals.....	\$ 50
	13	2	150	T. F. Crandall, impounding animals.....	2 00
	30	3	201	T. F. Crandall, impounding animals.....	1 50
	27	4	239	E. F. Culver, impounding animals.....	1 00
April	3	5	499	Thomas Barry, impounding animals.....	50

## CITY CONTROLLER.

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	Date.	Voucher.	Warrant.		
April	10	6	556	Chris Brink, impounding animals.....	\$2 00
	14	7	582	Mrs. Mary Foley, impounding fees re- funded, resolution of Council, Febru- ary 27, 1877.....	4 00
	17	8	595	Thomas Mustin, impounding animals.....	7 50
		9	596	Chas. Breault, impounding animals.....	1 00
	21	10	655	A. C. Bartz, impounding animals.....	4 00
		11	654	John C. Gascon, impounding animals.....	1 50
May	1	12	689	F. Cronenwett, feed for impounded ani- mals.....	2 50
		13	690	John G. Gascon, impounding animals.....	1 50
	8	14	778	A. C. Bartz, impounding animals.....	1 00
		15	779	Chas. Breault, impounding animals.....	2 00
	15	16	845	David Wardell, impounding animals.....	2 00
		17	846	Chas. Breault, impounding animals.....	4 50
		18	847	Chas. Brink, impounding animals.....	8 00
		19	848	Chas. Wild, impounding animals.....	1 00
	22	20	910	Jas. F. Webb, impounding animals.....	1 00
		21	911	Theo. S. Newton, impounding animals.....	2 00
		22	912	Thos. Mustin, impounding animals.....	3 50
	29	23	964	Theo. S. Newton, impounding animals.....	1 00
		24	965	J. F. Crandall, impounding animals.....	6 50
		25	966	Geo. W. Fox, impounding animals.....	1 00
		26	967	Chas. Wild, impounding animals.....	2 00
		27	968	James Burns, impounding animals.....	50
		28	969	Thomas Barry, impounding animals.....	1 00
June	5	29	1045	Theo. S. Newton, impounding animals.....	4 50
		30	1046	Geo. W. Fox, impounding animals.....	1 00
		31	1047	Wm. E. England, impounding animals.....	2 00
		32	1048	Patrick Murnane, impounding animals.....	1 00
	12	33	1111	J. F. Crandall, impounding animals.....	1 00
		34	1112	H. H. Ladd, impounding animals.....	4 40
		35	1113	Chas. Breault, impounding animals.....	1 00
		36	1114	J. W. Loveland, impounding animals.....	2 00
		37	1115	D. Wardell, impounding animals.....	1 00
		38	1116	Wm. E. England, impounding animals.....	50
		39	1117	C. H. Tilden, impounding animals.....	6 50
		40	1118	Patrick Murnane, impounding animals.....	2 00
		41	1119	F. Cronenwett, feed for impounded ani- mals.....	6 03
		42	1120	M. Haller, rubber hose for use of pounds,	4 83
	19	43	1175	Michael Sullivan, impounding animals.....	50
		44	1176	Wm. E. England, impounding animals.....	4 00
		45	1177	Thos. Millett, impounding animals.....	3 00
		46	1178	J. H. Loveland, impounding animals.....	5 00
		47	1179	H. H. Ladd, impounding animals.....	3 00
		48	1180	Geo. W. Fox, impounding animals.....	1 00
		49	1181	J. Shanahan, feed for impounded animals..	1 50
	26	50	1247	Wm. England, impounding animals.....	4 00
		52	1248	Robert Lawn, impounding animals.....	8 00
		53	1249	H. H. Ladd, impounding animals.....	4 55

Date.	Voucher.	Warrant.		
June	26	54	1250 Edward F. Culver, impounding animals...	\$2 00
		55	1251 David Wardell, impounding animals.....	1 00
		56	1252 John W. Loveland, impounding animals...	8 90
July	8	57	1319 Pay-roll sundry persons, impounding animals.....	17 90
	10	58	1322 Pay-roll sundry persons, impounding animals.....	7 90
		59	1323 Bernard Rielly, feed for impounded animals.....	11 62
	17	60	1449 Pay-roll sundry persons, impounding animals.....	17 00
	24	61	1509 Pay-roll sundry persons, impounding animals.....	5 00
Aug.	7	62	1668 Pay-roll sundry persons, impounding animals.....	42 10
	14	63	1747 Pay-roll sundry persons, impounding animals.....	10 00
	21	64	1808 Pay-roll sundry persons, impounding animals.....	21 60
		65	1809 F. Cronenwett, feed for impounded animals.....	5 80
	28	66	1893 Pay-roll sundry persons, impounding animals.....	23 80
Sept.	4	67	1972 Pay-roll sundry persons, impounding animals.....	10 50
	11	68	2051 Pay-roll sundry persons, impounding animals.....	9 30
	18	69	2114 Pay-roll sundry persons, impounding animals.....	13 40
	25	70	2175 Pay-roll sundry persons, impounding animals.....	8 00
Oct.	2	71	2237 Pay-roll sundry persons, impounding animals.....	4 50
	9	72	2310 Pay-roll sundry persons, impounding animals.....	5 50
	23	73	2450 Pay-roll sundry persons, impounding animals.....	5 00
	30	74	2509 Pay-roll sundry persons, impounding animals.....	5 50
Nov.	9	75	2573 Pay-roll sundry persons, impounding animals.....	6 00
	13	76	2644 Pay-roll sundry persons, impounding animals.....	10 50
	30	77	2695 Pay-roll sundry persons, impounding animals.....	14 00
		78	2696 F. Cronenwett, feed for impounded animals.....	5 03
	27	79	2747 Pay-roll sundry persons, impounding animals.....	11 40
Dec.	4	80	2818 Pay-roll sundry persons, impounding animals.....	1 50

Date.	Voucher.	Warrant.		
Dec. 11	81	2878	Pay-roll sundry persons, impounding animals.....	\$2 70
18	82	2964	Pay-roll sundry persons, impounding animals.....	2 00
1878.				
4	83	3075	Pay-roll sundry persons, impounding animals.....	50
15	84	3174	Geo. W. Fox, impounding animals.....	1 00
22	85	3232	Pay-roll sundry persons, impounding animals.....	2 00
				<u>\$481 76</u>

## CITY POUND FUND, WESTERN DISTRICT—CONDENSED.

Amount paid for impounding animals.....	\$390 45	
Amount paid for feed for impounded animals.....	32 48	
Rubber hose.....	4 88	
Impounding fees refunded.....	4 00	
	<hr/>	\$481 76
To General Fund, balance transferred.....		158 14
		<hr/>
		\$584 90

CR.

By payments into Treasury by Pound Master.....	<u>\$584 90</u>
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## REFUNDING ROLL FUND.

Date.	Voucher.	Warrant.		
1877.				
Feb. 16	1	119	Sundry persons Refunding Roll, Roll 2514, supplementary to Roll 2518.....	\$41 58
April 21	2	609	Sundry persons Refunding Roll, Roll 2634, supplementary to Roll 2623.....	11 17
June 9	3	1068	Matilda C. Watson, Roll 2676, supplementary to Roll 2675.....	2 61

## ANNUAL REPORT OF THE

Date. Voucher. Warrant.				
Aug. 15	4	1706	Sundry persons Refunding Roll, Roll 2712, supplementary to Roll 2711.....	\$39 77
30	5	2481	Sundry persons Refunding Roll, Roll 2664, supplementary to Roll 2663.....	87 00
				<hr/>
				\$172 13
To Sinking Fund transferred .....				\$1,500 00
To Balance, January 31, 1878.....				472 05
				<hr/>
				1,972 05
				<hr/>
				\$2,144 18
				<hr/>
				CR.
By Balance, January 31, 1877.....				\$1,767 04
Payments into Treasury.....				317 14
General Sewer Fund transferred.....				60 00
				<hr/>
				\$2,144 18
				<hr/>

## REDEMPTION FUND.

Date. Voucher. Warrant.				
1877.				
Feb.	7	1	54 Austin & Co, redemption certificate.....	\$48 05
	8	2	58 Jesse H. Farwell, redemption certificate..	1,820 27
	10	3	106 Daniel Hand, redemption certificate.....	253 77
	17	4	165 Jesse H. Farwell, redemption certificate...	612 82
	19	5	166 Jesse H. Farwell, redemption certificate...	585 02
	20	6	171 Chas. Byram, redemption certificate.....	633 03
	23	7	174 Denis J. Campau, redemption certificate..	134 72
		8	175 Jesse H. Farwell, redemption certificate...	3,314 72
	24	9	200 Jesse H. Farwell, redemption certificate...	188 29
	27	10	213 C. J. O'Flynn, redemption certificate.....	531 74
	28	11	214 Jesse H. Farwell, redemption certificate...	111 17
Mar.	10	12	306 Jesse H. Farwell, redemption certificate...	361 67
	17	13	377 Jesse H. Farwell, redemption certificate...	245 37
	22	14	383 George E. Hand, redemption certificate...	153 31
	24	15	412 Jesse H. Farwell, redemption certificate...	366 60
	27	16	414 O. W. Potter, executor E. B. Ward estate, redemption certificate.....	18 08
	31	17	462 John Ward, redemption certificate.....	11 61
April	6	18	473 Jesse H. Farwell, redemption certificate...	102 07
	12	19	531 Jesse H. Farwell, redemption certificate...	158 14
May	2	20	668 John S. Parker, redemption certificate....	17 09
	10	21	732 Jesse H. Farwell, redemption certificate...	183 31
	16	22	807 Wm. B. Wesson, redemption certificate....	9 69

Date.	Voucher.	Warrant.		
May	17	23	808	Jesse H. Farwell, redemption certificate... \$373 99
	19	24	872	A. M. Campau, redemption certificate.... 8 93
		25	873	Jesse H. Farwell, redemption certificate... 20 32
	24	26	876	Sears Steevens, redemption certificate..... 17 43
	28	27	984	Jesse H. Farwell, redemption certificate... 115 76
June	2	28	990	John S. Parker, redemption certificate.... 39 31
	5	29	994	Jesse H. Farwell, redemption certificate... 1,163 83
		30	995	Sears Steevens, redemption certificate..... 56 02
		31	996	Jesse H. Farwell, redemption certificate... 1,132 01
	7	32	1000	George E. Hand, redemption certificate... 766 53
		38	1001	George E. Hand, redemption certificate... 43 25
	8	34	1002	Jesse H. Farwell, redemption certificate... 132 91
	20	35	1139	Jesse H. Farwell, redemption certificate... 336 46
	25	36	1197	Jesse H. Farwell, redemption certificate... 472 40
	26	37	1200	Jesse H. Farwell, redemption certificate... 14 05
July	28	38	1204	Jesse H. Farwell, redemption certificate... 106 04
	9	39	1344	A. D. Fowler, redemption certificate..... 11 66
	18	40	1419	Daniel Hand, redemption certificate..... 170 42
	25	41	1480	Wm. B. Wesson, redemption certificate.... 58 63
	31	42	1546	Jesse H. Farwell, redemption certificate... 784 40
Aug.	1	43	1549	Wm. A. Moore, redemption certificate..... 167 58
	8	44	1621	Jesse H. Farwell, redemption certificate... 515 57
	11	45	1702	John Ward, redemption certificate..... 39 98
		46	1703	Jesse H. Farwell, redemption certificate... 169 33
	15	47	1720	Jesse H. Farwell, redemption certificate... 68 28
	21	48	1778	Jesse H. Farwell, redemption certificate... 143 88
	29	49	1856	Wm. B. Moran, redemption certificate..... 22 36
	Sept. 3	50	1925	Jesse H. Farwell, redemption certificate... 390 19
	7	51	2005	Jesse H. Farwell, redemption certificate... 64 70
	13	52	2012	Wm. B. Wesson, redemption certificate... 13 93
	15	53	2078	Jesse H. Farwell, redemption certificate... 118 56
	20	54	2083	Daniel Hand, redemption certificate..... 47 99
		55	2084	Jesse H. Farwell, redemption certificate... 187 73
	22	56	2140	Albert Crane, redemption certificate..... 18 39
	Oct 9	57	2267	Detroit Savings Bank, redemption certifi- cate..... 8 12
		58	2268	Jesse H. Farwell, redemption certificate... 221 19
	10	59	2273	Joseph Kuhn, redemption certificate..... 21 02
	15	60	2345	Jesse H. Farwell, redemption certificate... 81 29
	17	61	2353	C. M. Burton, redemption certificate..... 8 21
	18	62	2354	Wm. A. Moore, redemption certificate.... 169 64
	26	63	2477	Jesse H. Farwell, redemption certificate... 133 02
	Nov. 3	64	2536	Wm. B. Wesson, redemption certificate... 38 89
	22	65	2669	Jesse H. Farwell, redemption certificate... 109 46
	Dec. 3	66	2777	Daniel Hand, redemption certificate..... 111 57
		67	2778	Daniel Hand, redemption certificate..... 94 81
	6	68	2779	Detroit Savings Bank, redemption certifi- cate..... 483 28
	22	69	2991	Jesse H. Farwell, redemption certificate... 133 91
	28	70	3040	Wm. B. Wesson, redemption certificate.... 178 81
		71	3041	Henry Lacroix, redemption certificate..... 54 85



Date. Voucher. Warrant.

1878.

Jan.	8	72	3059	S. D. Elwood, redemption certificate.....	\$38 95	
	11	73	3145	W. B. Wesson, redemption certificate.....	18 72	
	18	74	3187	Jesse H. Farwell, redemption certificate...	44 00	
		75	3187	Jesse H. Farwell, redemption certificate...	19 11	
	22	76	3188	P. & R. Huyser, redemption certificate....	33 10	
	30	77	3253	Jesse H. Farwell, redemption certificate...	198 28	
						\$19,595 56
To balance January 31st, 1878.....						2,331 38
						<u>\$21,976 94</u>

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By balance January 31st, 1877.....	\$2,368 65	
By payments into Treasury.....	19,608 29	
		<u>\$21,976 94</u>

## GENERAL ROAD FUND.

Date. Voucher. Warrant.

1877.

Feb.	1	1	34	Pay-roll Laborers, cleaning snow around city property.....	\$17 50
		2	35	Pay-roll Laborers, cleaning snow around City Hall....	23 60
		3	36	Pay-roll Laborers, cleaning and carting away snow.....	43 29
		4	37	Pay-roll Laborers, building shed, Ninth avenue yard.....	6 25
		5	38	Pay-roll Laborers, spreading ashes on walks.....	4 15
	6	6	63	Pay-roll Laborers, repairing wood yard, W. D. fence, and cleaning snow....	7 25
		7	60	Eugene Robinson & Co., paving intersections.....	34 46
	13	8	122	Batchelder & Long, stone intersection walks.....	49 33
		9	123	Pay-roll Laborers, piling blocks and repairing dock.....	9 50
	20	10	176	Pay-roll Laborers, February 10 to February 18.....	18 70
		11	177	James Maloney, plank crosswalks.....	30 36
March	6	12	251	Mark Flanigan, cedar blocks.....	27 00
		13	252	Pay-roll Laborers, piling stone, etc., February 17 to March 2.....	28 00

Date.	Voucher,	Warrant.		
March 30	14	409	Pay-roll Laborers, cleaning snow around city property.....	\$33 86
	15	409	Pay-roll Laborers, March 8 to March 16....	51 48
	16	410	George Crabb, cutting blocks.....	11 00
	21	17	380 Ichabod Goodrich, assessment refunded on triangular lot, resolution of Common Council, March 18, 1877.....	17 45
	18	379	Mrs. F. S. Howard, taxes refunded for paving Clifford street, resolution of Common Council, September 4, 1874.....	99 92
	22	19	384 James Daly, City Collector, paving Grand River avenue in front of Cass Market,	48 91
April 3	20	475	Pay-roll Laborers, cleaning snow, March 17 to March 30.....	23 79
	21	475	Pay-roll Laborers, cleaning snow, March 17 to March 30.....	23 00
	20	22	579 Pay-roll Laborers, repairing wood pavement, April 6.....	6 00
	23	580	W. H. Anderson, repairing tools.....	7 90
	24	581	James L. Fisher, bill of nails.....	2 41
	17	25	802 E. Choep & Son, sharpening tools.....	12 17
	26	653	James L. Fisher, nails for culverts and crosswalks.....	162 98
	27	652	Pay-roll Laborers, repairing wood pavement.....	71 63
	28	652	Pay-roll Laborers, from April 7 to April 20,	30 88
	29	652	Pay-roll Laborers, repairing stone pavement.....	77 63
May 8	30	801	James L. Fisher, wheelbarrows, etc., Howard street bridge.....	6 12
	31	799	Pay-roll Laborers, April 21 to May 4.....	180 81
	32	799	Pay-roll Laborers, April 23 to May 4.....	33 00
	33	799	Pay-roll Laborers, April 23 to May 3.....	88 21
	14	34	805 James Daly, City Collector, assessment on parts 2, 3 and 4, paving Grand River avenue, Cass Market.....	146 70
	15	35	867 Pay-roll Laborers, April 30 to May 10.....	79 50
		36	867 Pay-roll Laborers, May 1 to May 11.....	89 89
		37	867 Pay-roll Laborers, May 5 to May 11.....	16 50
		38	867 Pay-roll Laborers, May 5 to May 11.....	11 50
		39	868 James S. Hardie, stone intersection walks,	194 56
		40	869 Geo. W. Robinson, bill of lumber.....	443 80
		41	869 Geo. W. Robinson, bill of lumber.....	28 10
	22	42	928 Henry Glaser, first estimate, Howard street bridge abutment.....	300 00
		43	929 George Buchan, stone for repairs to pavement.....	50 00
		44	930 August Beronskie, bill of sand.....	10 50
		45	952 John Greusel, bill of tiles.....	10 95
		46	931 George W. Robinson, bill of lumber.....	88 76

Date.	Voucher.	Warrant			
May	22	47	932	Pay-roll Laborers, repairing wood pavement, etc.....	\$257 90
		48	932	Pay-roll Laborers, repairing sidewalks, etc.,	35 50
		49	932	Pay-roll Laborers, repairing stone pavement.....	86 32
		50	932	Pay-roll Laborers, digging at Howard street bridge.....	27 00
		51	933	Geo. F. Case, use of horse for City Engineer, May 11.....	39 75
	29	52	932	Pay-roll Laborers, May 21 to May 26.....	29 50
		53	932	Pay-roll Laborers, May 12 to May 25.....	118 97
		54	933	Pay-roll Inspector Howard street bridge...	30 00
		55	964	Henry Glaser, final estimate, Howard street bridge abutment.....	275 00
		56	965	Henry Glaser, extra labor and materials, Howard street bridge abutment.....	19 10
		57	966	George W. Robinson, lumber for intersections .....	23 48
		58	967	Eugene Robinson & Co., cedar blocks....	465 30
		59	968	Byram, Nuppenau & Clark, paving rams..	8 06
June	5	60	1058	Pay-roll Laborers, May 16 to May 31.....	56 50
		61	1058	Pay-roll Laborers, May 18 to June 1.....	109 38
		62	1058	Pay-roll Laborers, May 19 to June 1.....	302 06
		63	1058	Pay-roll Laborers, May 19 to June 2.....	39 00
		64	1059	Ledbeter & Stewart, stone crosswalks.....	1,360 98
		65	1060	James S. Hardie, stone walk in front of Soldiers' Monument.....	356 68
		66	1060	James S. Hardie, stone intersections.....	297 81
		67	1061	Batchelder & Long, crosswalk stone.....	7 53
		68	1062	James McEwan & Co., repairing drinking fountains .....	42 18
		69	1063	E. Choep & Son, repairing tools.....	5 00
		70	1064	J. Dewey & Son, stakes for Engineer.....	44 96
		71	1065	The Tribune Co., advertising paving streets,	36 09
		72	1065	The Tribune Co., advertising rebuilding Howard street bridge abutment .....	2 31
	12	73	1133	Daily Abend Post (German), printing.....	25 76
		74	1134	Timothy Sullivan, rebuilding abutment wall, Howard street bridge, first estimate.....	250 00
		75	1135	James L. Fisher, bill of nails.....	2 75
		76	1136	Michael Haller, wheelbarrow, etc., Pound, E. D .....	4 25
		77	1137	Guy F. Hinchman & Co., lard oil and wick,	60
		78	1138	Pay-roll Superintendent Howard street bridge, June.....	27 50
		79	1138	Pay-roll Superintendent paving.....	35 00
	19	81	1189	Pay-roll Inspector cutting blocks.....	12 00
		82	1189	Pay-roll Inspector paving.....	12 50
		83	1189	Pay-roll Laborers, June 2 to June 15.....	119 26
		84	1189	Pay-roll Laborers, June 2 to June 15.....	37 36

Date.	Voucher.	Warrant.		
June 19	85	1189	Pay-roll Laborers, June 2 to June 15.....	\$57 90
	86	1189	Pay-roll Laborers, June 2 to June 15.....	293 74
	87	1190	Timothy Sullivan, rebuilding abutment wall, Howard street bridge, second estimate.....	250 00
	88	1191	C. C. Robinson, bill of sand for repairs ...	95 95
	89	1192	James S. Hardie, stone sidewalks, Campus Martius.....	626 56
	90	1193	Eugene Robinson & Co., cedar blocks.....	358 42
	91	1194	G. F. Case use of horse for City Engineer..	26 50
	92	1195	James E. Scripps, advertising.....	40 08
	93	1196	Eugene Robinson & Co., extra grading on Gratiot avenue.....	82 75
25	94	1198	Robert E. Roberts, Receiver of Taxes, intersections and charges paving Griswold street, 1877.....	101 26
	95	1198	Robert E. Roberts, Receiver of Taxes, intersections and charges paving Warren avenue, 1877.....	156 18
	96	1198	Robert E. Roberts, Receiver of Taxes, intersections and charges paving Duffield street, 1877.....	241 24
	97	1198	Robert E. Roberts, Receiver of Taxes, intersections and charges paving West Park Place, 1877.....	679 62
26	98	1270	Timothy Sullivan, third and final estimate building Howard street bridge abutment.....	176 50
	99	1271	Geo. W. Robinson, pine plank for intersection walks .....	372 91
	100	1272	James S. Hardie, stone intersection walks ..	459 37
	101	1273	Ledbeter & Stewart, stone crosswalks ...	206 23
	102	1273	James S. Hardie, stone culvert platforms,	11 40
	103	1274	Conrad Keller, plank crosswalks, E. D.....	175 99
	104	1275	Jeremiah Connor, plank crosswalks, W. D.,	579 55
	105	1276	F. D. Eatherly, bill of lumber.....	28 08
	106	1277	James McEwan & Co., repairs to drinking fountains .....	3 40
	107	1278	Pay-roll Inspectors of paving.....	7 50
	108	1278	Pay-roll Inspectors of paving.....	30 00
	109	1278	Pay-roll Inspectors of paving.....	3 75
	110	1278	Pay-roll Laborers, from June 16 to June 22,	40 25
	111	1305	Jeremiah Calnon, over assessment for paving Michigan Grand avenue, resolution Common Council, June 19th, 1874.....	52 17
July 3	112	1333	Jeremiah Connor, plank crosswalks.....	199 88
	113	1334	Geo. W. Robinson, lumber for intersections,	89 34
	114	1335	John F. McMillan, extra material on streets.....	70 08
	115	1336	John Greusel & Sons, tiles for Howard street bridge.....	12 00

Date. Voucher. Warrant.							
July	8	116	1337	G. F. Case, use of horse, City Engineer....	\$39 75		
			117	1338	Pay-roll Inspectors of paving, June . . . .	15 25	
			118	1338	Pay-roll Inspectors of paving, June.....	31 25	
			119	1338	Pay-roll Laborers, June 16 to June 29.....	39 00	
			120	1338	Pay-roll Laborers, June 16 to June 29. ....	333 75	
			121	1338	Pay-roll Laborers, June 16 to June 29.....	106 45	
			122	1340	Detroit Tribune, advertising paving streets.	11 48	
			123	1341	Daily Abend Post (German), advertising...	5 80	
	10	124	1406	Batchelder & Long, stone crosswalks, etc.,	7 25		
				125	1407	James S. Hardie, stone culverts.....	390 95
				126	1408	Eugene Robinson & Co., cedar blocks.....	1,481 24
				127	1409	J. Dewey & Son, stakes for City Surveyor,	26 00
				128	1410	J. L. Fisher, padlocks, etc.....	3 43
				129	1411	E. Chope & Son, repairing tools.....	5 23
				130	1412	Pay-roll Inspectors of paving .....	27 50
				131	1412	Pay-roll Inspectors of paving.....	17 50
				132	1412	Pay-roll Laborers, June 30 to July 5 . . . .	39 75
				133	1414	R. E. Roberts, Receiver of Taxes, first estimate on intersections, paving Michigan avenue.....	1,652 00
17	134	1461	Conrad Keller, plank crosswalks.....	279 06			
			135	1462	E. Chope & Son, sprinkling wagon .....	175 00	
			136	2006	E. Chope & Son, lifting jack, etc., for wagon .....	28 50	
			137	1798	Michael Haller, pick handles.....	2 50	
			138	1464	Fred K. Bamford, lettering street signs....	1 08	
			139	1465	Pay-roll Inspectors of paving, July.....	15 00	
			140	1465	Pay-roll Laborers, June 30 to July 13.....	300 06	
			141	1465	Pay-roll Laborers, June 30 to July 13.....	104 75	
			142	1465	Pay-roll Laborers, June 30 to July 13.....	35 75	
			143	1465	Pay-roll Laborers, July 9 to July 13.....	9 00	
20	144	1467	Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Brush street..	227 25			
			21	145	1469	Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Abbott street,	384 49
		146	1469	Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Maple street..	320 31		
23	147	1471	Robert E. Roberts, Receiver of Taxes, second estimate intersections, etc., paving Michigan avenue .....	1,090 84			
			24	148	1475	James Daily, City Collector, assessment paving Ninth avenue, at Hay and Wood Market.....	361 66
		149	1530	James S. Hardie, stone intersections.....	292 43		
		150	1531	Jeremiah Connor, plank crosswalks . . . .	187 48		
		151	1532	Pay-roll Inspector of paving, Maple street,	42 50		
		152	1532	Pay-roll Inspector of paving, Michigan avenue .....	15 00		
		153	1532	Pay-roll Inspector of paving, Woodward avenue.....	30 00		

## CITY CONTROLLER.

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Date. Voucher. Warrant.						
July	24	154	1532	Pay-roll Inspector of paving, Woodward avenue.....	\$30 00	
		155	1532	Pay-roll Inspector of paving, Abbott and Griswold streets.....	18 75	
		156	1532	Robert Hamer, rent of lot.....	10 00	
28	157	1538	1538	Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Lewis street..	490 47	
		158	1538	Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Griswold street	416 35	
		159	1538	Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Woodward avenue.....	123 15	
31	160	1541	1541	Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Orleans street,	329 77	
		161	1541	Robert E. Roberts Receiver of Taxes, intersections, etc., paving Charlotte avenue.....	541 84	
		162	1606	Jeremiah Connor, plank crosswalks... ..	163 09	
		163	1604	George W. Robinson, lumber for intersections, etc., .....	292 51	
		164	1605	Cobb, Wallace & Law, stone intersections,	5 88	
		165	1606	Eugene Robinson & Co., Cedar blocks....	466 20	
		166	1606	Eugene Robinson & Co., cedar blocks....	424 80	
		167	1607	M. McLaughlin, hauling dirt.....	1 50	
		168	1608	Pay-roll Inspectors of paving, July .....	6 25	
		169	1608	Pay-roll Inspectors of paving, July.....	15 00	
		170	1608	Pay-roll Inspectors, sawing blocks .....	12 00	
		171	1608	Pay-roll Laborers, July 14 to July 27.....	105 06	
		172	1608	Pay-roll Laborers, July 14 to July 27.....	321 19	
		173	1608	Pay-roll Laborers, July 14 to July 27.....	47 18	
Aug.	8	174	1534	Robert E. Roberts, Receiver of Taxes, third estimate intersections, Michigan avenue.....	722 96	
		175	1585	Geo. Beavia, over assessment on triangular lot, paving Franklin street, 1874, approved by report of Committee on Taxes, September 4, 1874.....	14 06	
	4	176	1613	Robert E. Roberts, Receiver of Taxes, fourth estimate intersections, paving Michigan avenue.....	498 48	
		7	177	1691	James S. Hardie, stone intersections.....	507 83
		178	1692	Conrad Keller, plank crosswalks.... .	287 60	
		179	1693	Geo. A. Rosa & Co., bill of lumber.....	10 60	
		180	1694	Andrew Harvey & Co., lawn fountain....	2 50	
		181	1695	Coulson & Morhous, pails, etc.....	6 71	
		182	1696	Daily Abend Post (German), advertising..	9 50	
		183	1697	The Detroit Tribune, general advertising..	12 60	
		184	1698	Pay-roll Inspector of paving.....	15 00	
		185	1699	George F. Case, use of horse for City Engineer .....	39 75	
14	186	1769	1769	Jeremiah Connor, plank crosswalks.....	138 12	

Date.	Voucher.	Warrant.		
Aug. 14	187	1770	Geo. W. Robinson, lumber.....	\$199 98
	188	1771	Henry Heames & Son, gravel.....	41 70
	189	1772	Whalen & Coughlan, removing earth, Woodward avenue.....	9 00
	190	1773	Pay-roll Inspector of paving.....	15 00
	191	1773	Pay-roll Inspector of paving....	37 50
	192	1773	Pay-roll Laborers, July 28 to August 10....	47 13
	193	1773	Pay-roll Laborers, July 28 to August 10....	346 69
	194	1773	Pay-roll Laborers, July 30 to August 10....	102 13
19	195	1777	Robert E. Roberts, Receiver of Taxes, fifth estimate intersections, Michigan ave- nue.....	304 74
21	196	1829	Jas. S. Hardie, stone intersections.....	178 76
	197	1830	Ledbetter & Stewart, stone crosswalks.....	72 90
	198	1831	Conrad Keller, plank crosswalks.....	137 86
	199	1832	Geo. W. Robinson, lumber for culverts....	87 44
	200	1833	E. Robinson & Co., paving blocks.....	1,129 94
	201	1834	Pay-roll Inspector of paving.....	15 00
	202	1834	Pay-roll Inspector, cutting blocks.....	5 25
	203	1834	Pay-roll Laborers, repairs to wood pave- ments.....	70 25
	204	1835	Wm. A. Scripps, 500 covers for contracts..	7 50
	205	1836	Jeremiah Connor, plank crosswalks.....	173 74
25	206	1843	Robert E. Roberts, Receiver of Taxes, sixth and final estimate intersections, Michigan avenue.....	345 04
28	207	1909	Batchelder & Long, stone side and cross- walks .....	49 36
	208	1910	Jeremiah Connor, plank crosswalks.....	196 19
	209	1911	Fleming & Hardy, driving piles foot of Woodward avenue.....	22 00
	210	1912	Timothy O'Connor, repaving over water pipe.....	215 16
	211	1913	C. E. Gutow & Co., bill of sand.....	26 40
	212	1914	H. Heames & Co., bill of gravel.....	19 80
	213	1915	James McEwan & Co., drinking fountains,	170 70
	214	1916	Pay-roll Laborers, August 11 to August 24,	320 56
	215	1916	Pay-roll Laborers, August 11 to August 24,	37 38
	216	1916	Pay-roll Laborers, August 18 to August 24,	85 78
	217	1917	The Detroit Tribune, advertising....	34 93
	218	1858	Robert E. Roberts, Receiver of Taxes, City's proportion for paving Michigan avenue, parts 1, 2, 3 and 4.....	443 96
Sept. 4	219	1996	James S. Hardie, stone intersections.....	163 84
	220	1997	Jeremiah Connor, plank crosswalks.....	165 97
	221	1999	Geo. A. Ross & Co., lumber.....	6 65
	222	1999	Geo. F. Case, use of horse for City Engi- neer.....	39 75
	223	2000	Carl Smith, cleaning Cemetery, Russell street.....	25 00
	224	2001	The Tribune Co., advertising streets.....	6 23

Date.		Voucher.	Warrant.		
Sept.	4	225	2002	Daily Abend Post (German), advertising...	\$42 50
		226	2003	Pay-roll Inspector of paving.....	13 75
		227	2003	Pay-roll Inspector of paving.....	30 00
		228	2003	Pay-roll Laborers, August 7 to August 31..	7 57
		229	2003	Pay-roll Laborers, August 21 to August 31,	39 00
		230	2003	Pay-roll Laborers, August 20 to August 31,	46 00
	7	231	2003	Pay-roll Inspector of paving, August....	25 00
	11	232	2070	Eugene Robinson & Co., cedar blocks .....	464 62
		233	2071	James S. Hardie, stone intersections.....	143 03
		234	2072	Conrad Keller, plank sidewalks.....	205 05
		235	2073	Byram, Nuppenau & Clark, repairs to Hay Market, W. D.....	13 31
		236	2074	James L. Fisher, nails.....	50 00
		237	2075	Henry James, tools .....	1 75
		238	2074	James L. Fisher, hardware, E. D. Pound..	1 81
		239	2076	James E. Scripps, advertising.....	63 79
		240	2077	Pay-roll Inspectors of paving.....	12 50
		241	2077	Pay-roll Inspectors of paving.....	8 75
		242	2077	Pay-roll Laborers, August 23 to Septem- ber 7.....	49 88
		243	2077	Pay-roll Laborers, August 27 to Septem- ber 7.....	99 93
		244	2077	Pay-roll Laborers, August 27 to Septem- ber 7. ....	49 15
		245	2077	Pay-roll Laborers, August 25 to Septem- ber 7....	39 00
		246	2077	Pay-roll Laborers, August 25 to Septem- ber 7.....	111 75
		247	2077	Pay-roll Laborers, August 25 to Septem- ber 7 ....	194 13
	18	248	2126	Jeremiah Connor, plank crosswalks.....	245 70
		249	2127	Batchelder & Long, stone for intersections,	71 23
		250	2128	Ledbeter & Stewart, repaving Woodward avenue, between East and West Grand Circus Parks....	1,466 90
		251	2129	James McGonegal, extra material for pav- ing Bates street.....	62 55
		252	2129	James McGonegal, stone for repairs to pavement.....	21 00
		253	2130	Mark Flanigan, sand and gravel.....	41 00
		254	2131	Eugene Robinson & Co., cedar blocks.....	392 72
		255	2132	Louis Schreck, carting blocks.....	12 00
		256	2133	Geo. W. Robinson, bill of lumber.....	176 68
		257	2134	J. Dewey & Son, stakes for City Engineer,	45 24
		258	2135	Pay-roll Inspectors of paving.....	50 00
		259	2135	Pay-roll Laborers, from September 10 to September 15. . . . .	50 85
		260	2136	James McEwan & Co., repairs to drinking fountains.....	121 92
		261	2082	Robert E. Roberts, Receiver of Taxes, inter- sections, etc., paving Fort street.....	2,177 79



Date.	Voucher.	Warrant.		
Sept. 18	202	2022	Robert E. Roberts, Receiver of Taxes, inter- sections, etc., paving Jefferson avenue,	\$472 21
	263	2022	Robert E. Roberts, Receiver of Taxes, inter- sections, etc., paving Second avenue...	1,613 00
	264	2022	Robert E. Roberts, Receiver of Taxes, inter- sections, etc., paving Congress street..	420 68
	265	2022	Robert E. Roberts, Receiver of Taxes, inter- sections, etc., paving Campbell street,	196 02
25	266	2188	Pay-roll Laborers, September 1 to Septem- ber 22.....	17 94
	267	2188	Pay-roll Laborers, September 8 to Septem- ber 21.....	153 00
	268	2188	Pay-roll Laborers, September 8 to Septem- ber 21.....	39 00
	269	2188	Pay-roll Laborers, September 8 to Septem- ber 21.....	60 00
	270	2188	Pay-roll Laborers, September 8 to Septem- ber 21.....	47 68
	271	2188	Pay-roll Laborers, September 10 to Septem- ber 21.....	106 13
	272	2188	Pay-roll Inspectors of paving, September..	80 00
	273	2189	James S. Hardie, stone intersections.....	549 28
	274	2190	Robert D. Robinson, plank intersections...	6 75
	275	2191	Conrad Keller, plank crosswalks.....	201 70
	276	2192	Jeremiah Connor, plank crosswalks, W. D.,	186 14
Oct. 2	277	2259	Jeremiah Connor, plank crosswalks, W. D.,	32 00
	278	2260	The Tribune Co., advertising streets... ..	8 68
	279	2261	Daily Abend Post (German), advertising...	15 46
	280	2262	Pay-roll Inspectors paving, September....	16 25
	281	2262	Pay-roll Inspectors paving, September....	30 00
	282	2262	Pay-roll Laborers, September 15 to Sep- tember 28.....	18 00
	283	2262	Pay-roll Laborers, September 15 to Sep- tember 28.....	40 00
	284	2260	The Tribune Co., advertising.....	13 98
4	285	2202	Johnathan Pine, abatement of paving as- essment in front of triangular lot 67, section 12, Governor and Judges' plan, Clifford street, resolution of Council, September 4, 1874.....	37 13
9	286	2232	James S. Hardie, stone intersections.....	197 94
	287	2233	Batchelder & Long, stone crosswalks and sand.....	34 55
	288	2234	Thomas Lewis, sand for repairs to pave- ment.....	48 80
	289	2478	John Strand, hinges for gates.....	2 00
	290	2296	Eugene Robinson & Co., cedar blocks....	390 15
	291	2237	Conrad Keller, plank crosswalks.....	149 09
	292	2238	Geo. W. Robinson, lumber for culverts, etc.....	208 77
	293	2239	French & Hare Bros., relaying pavement..	2 00

Date.	Voucher.	Warrant.	
Oct.	9 284	2339	French & Hare Bros., relaying curb..... \$5 07
		295	2340 George F. Case, use of horse for City Engineer..... 39 73
		296	2341 Pay-roll Inspector of paving, October..... 96 25
		297	2341 Pay-roll Inspector of cutting blocks..... 9 00
		298	2341 Pay-roll Laborers, September 22d to October 6th..... 422 57
		299	2388 George W. Robinson, lumber for culverts, etc..... 24 29
	10 300	2272	James McGonegal, paving west 110½ feet, east half of Hay Market, W. D., resolution of Council, October 5th, 1877..... 2,737 58
	16 301	2407	James S. Hardie, stone intersections..... 369 54
		302	2408 Ledbetter & Stewart, stone crosswalks..... 602 31
		303	2409 Jeremiah Connor, plank crosswalks..... 104 34
		304	2410 H. Moffat, lumber for culverts..... 10 40
		305	2411 Eugene Robinson, cedar blocks..... 179 77
		306	2412 Pay-roll Inspector of paving, October..... 105 00
		307	2413 Foley & Moran, hauling dirt..... 5 00
	17 308	2351	R. E. Roberts, Receiver of Taxes, intersections, etc., paving Bates street..... 217 94
		309	2351 R. E. Roberts, Receiver of Taxes, intersections, etc., paving Campus Martius ... 192 01
	29 310	2471	Conrad Keller, plank crosswalks..... 143 36
		311	2472 George W. Robinson, lumber for crosswalks, etc..... 63 33
		312	2473 Foley & Moran, hauling dirt..... 18 00
		313	2474 Robert Harmer, rent of lot..... 15 00
		314	2475 Pay-roll Laborers, October 6th to October 19th..... 351 04
		315	2476 David Wilkie, repairing asphalt pavement, 150 00
	30 316	2530	James S. Hardie, stone intersections..... 124 67
		317	2531 Valentine Hilsendegen, plank intersections, 5 28
		318	2532 Jeremiah Connor, plank crosswalks..... 92 01
		319	2533 W. S. Penfield, tools..... 2 00
	31 320	2482	Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Monroe avenue... 1,234 23
		321	2482 Robert E. Roberts, Receiver of Taxes, intersections, etc., paving Parsons street... 166 55
Nov.	9 322	2506	Ledbetter & Stewart, paving alley intersections..... 39 00
		323	2507 James S. Hardie, stone intersections..... 186 67
		324	2508 Conrad Keller, plank crosswalks..... 184 48
		325	2509 Geo. A. Ross & Co., bill of lumber..... 98
		326	2600 Daily Abend Post (German), advertising... 25 12
		327	2601 George F. Case, use of horse for City Engineer..... 39 75
		328	2602 E. Chope & Son, repairing tools ..... 4 35
		329	2603 W. H. Anderson, repairing tools..... 2 00
		330	2604 Pay-roll Inspectors of paving..... 68 75

Date.	Voucher.	Warrant.			
Nov.	9	331	2604	Pay-roll Laborers, October 22d to November 3d.....	\$475 88
		332	2604	Pay-roll Laborers, October 15th to November 3d.....	14 01
18	333	2658		David Wilkie, repairing pavement, Henry street.....	180 00
		334	2659	Jeremiah Connor, plank crosswalks.....	85 48
		335	2660	James L. Fisher, hinges and screws.....	50
		336	2661	Pay-roll Laborers, November 5th to November 10th.....	50 50
		337	2662	Thomas W. Corby, extra sand on Fort street west.....	77 20
20	338	2717		James L. Hardie, stone intersections.....	128 70
		339	2718	Jeremiah Connor, plank crosswalks.....	101 40
		340	2718	Jeremiah Connor, oak scantling.....	10 45
		341	2719	Eugene Robinson, cedar blocks.....	361 12
		342	2720	James McEwan & Co., repairing drinking fountains.....	11 96
		343	2721	Pay-roll Inspectors of paving, November..	65 00
		344	2721	Pay-roll Laborers, repairs to paved streets,	379 30
27	345	2769		Ledbetter & Stewart, paving E. D. Hay Market, first and final estimate.....	1,441 44
		346	2770	O'Connor & Loux, relaying pavement, Beaubien street.....	36 22
		347	2771	Conrad Keller, plank crosswalks.....	154 27
		348	2772	Pay-roll Inspector of paving, November...	2 50
		349	2773	George A. Ross & Co., lumber for Eastern Pound.....	1 67
		350	2774	Ledbetter & Stewart, stone crosswalks....	1,500 35
Dec.	1	351	2775	James Daly, City Collector, intersections, etc., paving Randolph street, Roll 299,	296 00
		352	2775	James Daly, City Collector, intersections, etc., paving Randolph street, Roll 300,	647 60
	4	353	2837	Batchelder & Long, stone crosswalks, intersections, etc.....	56 00
		354	2838	George A. Ross & Co., lumber.....	4 71
		355	2839	George W. Robinson, lumber.....	123 90
		356	2840	Pay-roll, Inspector of paving, November..	35 00
		357	2840	Pay-roll Laborers, November 17th to November 30th.....	376 56
	7	358	2834	R. E. Roberts, Receiver of Taxes, intersections, etc., alley between Jay street and Gratiot avenue.....	72 28
		359	2834	R. E. Roberts, Receiver of Taxes, intersections, etc., alley between Michigan avenue and Labrosse street.....	52 54
		360	2834	R. E. Roberts, Receiver of Taxes, intersections, etc., alley between Michigan Grand avenue and Farmer street .....	47 23
		361	2834	R. E. Roberts, Receiver of Taxes, intersections, etc., alley between Jefferson avenue and Larned street.....	53 77

Date.	Voucher.	Warrant.	
Dec. 8	362	2843	R. E. Roberts, Receiver of Taxes, intersections, etc., paving Michigan avenue from Forsyth Farm to Seventh street.. \$348 31
11	363	2901	C. C. Robinson, sand for repairs..... 79 47
	364	2905	T. & A. O'Connor, repaving over excavations..... 7 02
	365	2906	Conrad Keller, plank crosswalks..... 108 41
	366	2907	James McEwan & Co., protecting drinking fountains..... 10 80
	367	2908	George F. Case, use of horse for City Engineer..... 37 10
	368	2909	Robert Harmer, rent of lot for storage.... 5 00
	369	2910	Daily Abend Post (German), advertising... 1 94
12	370	2852	Judah Sittig, abatement of tax for paving Abbott Street, on triangular lot 1, block 43½, Cass Farm, resolution of Council, December 7th, 1877..... 37 85
	371	2854	Theodore Clare, abatement of tax for paving Abbott street, on triangular lot 8, block 48, Jones Farm, resolution of Council, December 7, 1877..... 7 38
14	372	2902	Julius Stoll, abatement of paving tax for paving Randolph street, on triangular lot 56, section 6, Governor & Judges' Plan, resolution of Council, November 27th, 1877..... 22 00
	373	2912	R. E. Roberts, Receiver of Taxes, intersections, etc., paving Randolph street, Roll 298..... 806 55
	374	2912	R. E. Roberts, Receiver of Taxes, intersections, etc., paving Congress street, Roll 308..... 608 74
	375	2912	R. E. Roberts, Receiver of Taxes, intersections, etc., paving Columbia street, Roll 307..... 85 96
	376	2921	Valentine Hilsendegen abatement of paving tax, Randolph street, triangular lot 55, section 6, Governor and Judges' Plan, resolution of Council, November 27th, 1877..... 33 54
18	377	2978	David Wilkie, repairing pavement, Henry street..... 71 73
	378	2979	Ledbeter & Stewart, stone crosswalks.... 1,320 93
	379	2980	Alexander Chapoton, Jr., repairing stone sidewalks..... 3 60
	380	2981	James S. Hardie, stone bridges..... 77 06
	381	2979	Ledbeter & Stewart, crosswalk stone..... 10 12
	382	2982	James E. Scripps, advertising..... 41 65
	383	2983	Detroit Tribune, advertising..... 5 67
	384	2984	Pay-roll Laborers, December 1st to December 15th..... 258 41

Date.	Voucher.	Warrant.		
Dec.	28	3034	James McGonegal, crosswalk stone.....	\$39 80
	306	3035	James S. Hardie, stone sidewalks.....	571 70
	307	3036	Peter Dunn, stone for repairs to streets....	32 68
	308	3037	Timothy O'Connor, extra work, repaving..	1 30
	309	3038	A. & G. Hare, taking up and resetting curbstone .....	12 55
	310	3039	Post and Tribune, advertising.....	16 31
1878.				
Jan.	4	3097	Batchelder & Long, stone intersections....	7 60
	302	3098	James S. Hardie, stone intersections.....	16 13
	303	3099	George W. Robinson, lumber for intersec- tions.....	38 33
	304	3100	Fred. Bamford, painting street signs .....	4 86
	305	3101	Pay-roll Laborers, December 17th to De- cember 20th .....	308 90
5	306	3104	Valentine Hilsendegen, abatement of paving tax on triangular lot, Monroe avenue, resolution of Council, Decem- ber 28th, 1877.....	16 26
8	307	3143	Ledbetter & Stewart, extra labor on Jeffer- son avenue.....	102 58
	308	3143	Ledbetter & Stewart, sand.....	54 90
	309	3144	Pay-roll Laborers, December 20th to Jan- uary 2d.....	66 77
9	400	3109	C. S. Fisher, abatement of paving tax on triangular lot, in alley, lots 11 and 12, Block 53, Forsyth Farm, resolution of Council, January 4th, 1878.....	28 45
15	401	3183	Fleming & Hardy, furnishing and driving piles, foot of Riopelle street.....	20 00
	402	3184	Pay-roll Laborers, January 7th to January 12th.....	9 30
22	403	3242	Pay-roll Laborers, January 14th to Jan- uary 19th.....	7 50
	404	3242	Pay-roll Laborers, January 14th to Jan- uary 19th.....	6 30
	405	3243	James McEwan & Co., taking down drink- ing fountains.....	2 55
				<hr/> \$64,605 57 <hr/>

## GENERAL ROAD FUND—CONDENSED.

Pay-roll Laborers.....	\$9,045 89	
Pay-roll Inspectors.....	1,069 75	
Paving intersections.....	18,424 64	
Paving in front of city property.....	6,697 15	
Stone intersection, side and crosswalks.....	10,564 04	
Plank intersection, side and crosswalks.....	4,706 50	
Cedar blocks.....	6,131 28	
Lumber.....	2,319 19	
Stone, sand and gravel.....	685 48	
Building and repairing bridges.....	1,170 60	
Repairing and relaying pavement.....	265 57	
Repairs to foot of docks.....	42 00	
Repairs to Hay Market, W. D.....	13 31	
Extra material on streets.....	312 35	
Culvert platforms.....	402 35	
Stone bridges.....	77 06	
Drinking fountains and repairs.....	363 51	
Printing and advertising.....	417 84	
Hardware.....	230 06	
Tools and repairs to same.....	57 06	
Abatement of taxes.....	366 20	
Repairing asphalt pavement.....	401 73	
Grading, etc.....	82 75	
Horse for City Engineer.....	302 10	
Carting blocks, etc.....	45 50	
Tiles.....	22 95	
Rent of lot.....	30 00	
Surveyor's stakes.....	116 22	
Cutting blocks.....	11 00	
Cleaning cemetery, Russell street.....	25 00	
Sprinkling wagon, etc.....	208 50	
Sundries.....	33 20	
		<u>\$64,605 57</u>
To Balance, January 31st, 1878.....		33,895 60
		<u>\$98,501 17</u>
		Cr.
By Balance, January 31st, 1877.....	\$21,748 82	
Appropriation, 1877.....	70,000 00	
City Bids.....	2,731 43	
Amount received for vacating alley.....	\$258 98	
Repairs to pavement.....	2,993 98	
Sale of iron.....	119 46	
		<u>3,372 42</u>
Advertising and inspection transferred.....	648 50	
		<u>\$98,501 17</u>

## ROAD DISTRICT FUND, FIRST WARD.

Date. Voucher. Warrant.

1877.

Feb.	1	1	25	Pay-roll Laborers, January 15th to January 20th.....	\$31 50
		2	26	Pay-roll Laborers, January 23d to January 27th.....	13 25
	6	3	98	Pay-roll Laborers, January 29th to February 2d.....	14 30
	13	4	158	Pay-roll Laborers, February 3d to February 9th.....	5 25
March	6	5	300	Pay-roll Laborers, Feb. 17th to March 2d..	4 00
	20	6	407	Pay-roll Laborers, March 3d to March 16th,	5 90
April	3	7	516	Pay-roll Laborers, March 17th to Mar. 30th,	15 10
	10	8	573	Pay-roll Laborers, March 31st to April 6th,	80
	24	9	656	Pay-roll Laborers, April 9th to April 21st..	135 95
May	1	10	683	Pay-roll Laborers, April 23d to April 25th,	12 40
		11	694	Michael McLaughlin, hauling dirt.....	141 81
	8	12	785	Pay-roll Laborers, May 4th to May 5th....	7 50
	15	13	849	Pay-roll Laborers, April 28th to May 11th..	11 50
	22	14	916	Pay-roll Laborers, May 7th to May 8th....	8 00
		15	917	M. McLaughlin, hauling dirt.....	25 23
	20	16	972	Pay-roll Laborers, May 21st to May 25th....	14 00
	12	17	1123	Pay-roll Laborers, June 5th to June 8th....	40 70
	19	18	1182	Pay-roll Laborers, June 9th to June 15th..	61 90
	26	19	1261	Pay-roll Laborers, June 16th to June 23d..	82 00
July	3	20	1325	Pay-roll Laborers, June 28th to June 29th,	14 45
	31	21	1592	Pay-roll Laborers, July 21st to July 28th..	143 25
		22	1593	George W. Hough, bill of brooms.....	5 00
	28	23	1901	Pay-roll Laborers, August 20th to August 25th.....	152 50
Sept.	4	24	1981	Pay-roll Laborers, August 27th to September 1st.....	76 00
	11	25	2061	Pay-roll Laborers, August 25th.....	9 38
Oct.	2	26	2249	Pay-roll Laborers, September 25th to September 28th.....	15 50
	23	27	2465	Pay-roll Laborers, October 15th to October 20th.....	108 50
Nov.	27	28	2759	Pay-roll Laborers, November 19th to November 24th.....	104 45
Dec.	4	29	2831	Pay-roll Laborers, November 26th to December 1st.....	141 30
	19	30	2924	Commissioners of Sinking Fund, payment of cash loan.....	500 00
		31	2924	Commissioners of Sinking Fund, interest on cash loan.....	5 18

Date.	Voucher.	Warrant.			
Dec.	28	33	3027	Pay-roll Laborers, December 17th to December 21st.....	\$110 30
1878.					
Jan.	4	33	3086	Pay-roll Laborers, December 22d to December 28th.....	151 70
	8	34	3138	Pay-roll Laborers, December 29th to January 5th.....	15 80
	15	35	3180	Pay-roll Laborers, January 7th to January 12th.....	10 00
	22	36	3237	Pay-roll Laborers, January 14th to January 19th.....	5 20
					<u>\$2,184 60</u>

## ROAD DISTRICT FUND, FIRST WARD—CONDENSED.

Pay-roll Laborers.....	\$1,507 88
Hauling dirt from paved streets.....	187 04
Tools.....	5 00
Payment of cash loan.....	500 00
Interest on cash loan.....	5 18
	<u>\$2,184 60</u>
To Balance, January 31st, 1878.....	292 86
	<u>\$2,477 46</u>

Cr.

By Balance, January 31st, 1877.....	\$730 18
Appropriation of 1877.....	1,900 00
Aggregate City Bids.....	21 83
Amount uncalled for on Rolls.....	50
Cleaning railway tracks.....	25 00
Loan, on Controller's note.....	500 00
	<u>\$2,477 46</u>



## ROAD DISTRICT FUND, SECOND WARD.

Date. Voucher. Warrant.					
1877.					
Feb.	1	1	27	Pay-roll Laborers, January 15th to January 20th .....	\$183 60
		2	28	Pay-roll Laborers, January 22d to January 27th .....	22 80
	6	3	99	Pay-roll Laborers, January 16th to January 31st .....	6 75
		4	99	Pay-roll Laborers, January 29th to February 2d .....	8 80
	18	5	159	Pay-roll Laborers, February 3d to February 9th .....	18 05
	20	6	205	Pay-roll Laborers, February 10th to February 16th .....	11 20
March	6	7	301	Pay-roll Laborers, Feb. 19th to March 2d ..	9 48
	20	8	408	Pay-roll Laborers, March 3d to March 16th,	11 24
April	3	9	517	Pay-roll Laborers, March 1st to March 31st,	3 50
		10	517	Pay-roll Laborers, March 17th to Mar. 30th,	32 72
	10	11	574	Pay-roll Laborers, March 31st to April 6th,	3 90
	17	12	604	Pay-roll Laborers, April 7th to April 18th ..	1 18
	24	13	657	Pay-roll Laborers, April 14th to April 20th,	93 46
May	1	14	695	Pay-roll Laborers, April 21st to April 24th,	39 52
		15	696	Louis Schreck, hauling dirt .....	96 75
		16	697	Foley & Moran, hauling dirt .....	6 55
	8	17	786	Pay-roll Laborers, May 4 .....	9 63
	29	18	973	Pay-roll Laborers, May 18th to May 23d ....	76 38
June	5	19	1053	Pay-roll Laborers, May 26th to June 1st ....	16 38
	12	20	1124	Pay-roll Laborers, June 2d to June 8th ....	59 50
		21	1125	Coulson & Morhous, street brooms .....	3 00
	19	22	1183	Pay-roll Laborers, June 9th to June 15th ..	46 50
July	3	23	1326	Pay-roll Laborers, June 25th to June 30th,	25 63
	10	24	1398	Pay-roll Laborers, July 2d to July 7th .....	22 25
	17	25	1452	Pay-roll Laborers, July 9th to July 14th ....	38 88
	24	26	1517	Pay-roll Laborers, July 16th to July 21st ...	5 63
Aug.	7	27	1676	Coulson & Morhous, brooms .....	2 00
		28	1677	Pay-roll Laborers, July 30th to August 4th,	29 38
	14	29	1759	Pay-roll Laborers, July 28th .....	9 38
		30	1759	Pay-roll Laborers, August 6th to Aug. 11th,	70 75
	21	31	1821	Pay-roll Laborers, Aug. 13th to Aug. 18th,	64 88
Sep.	4	32	1982	Pay-roll Laborers, August 27th to September 1st .....	66 25
		33	1983	George W. Hough, street brooms .....	1 00
	11	34	2062	Pay-roll Laborers, September 3d to September 8th .....	21 75
	18	35	2119	Pay-roll Laborers, September 10th to September 15th .....	11 50

Date.	Voucher.	Warrant.	
Sept. 25	36	2181	Pay-roll Laborers, September 17th to September 23d.....
			\$42 75
Oct. 2	37	2250	Pay-roll Laborers, September 24th to September 29th.....
			16 75
9	38	2323	Pay-roll Laborers, October 1st to October 6th.....
			8 50
16	39	2399	Pay-roll Laborers, October 8th to October 13th.....
			19 00
23	40	2466	Pay-roll Laborers, October 15th to October 20th.....
			68 60
	41	2466	Pay-roll Laborers, October 6th to October 19th.....
			14 06
30	42	2521	W. S. Penfield, acythe.....
			2 95
	43	2522	Pay-roll Laborers, October 22d to October 27th.....
			104 50
Nov. 13	44	2653	Pay-roll Laborers, November 5th to November 10th.....
			26 15
20	45	2707	Pay-roll Laborers, November 12th to November 17th.....
			80 65
	46	2707	Pay-roll Laborers, November 16th.....
			8 74
27	47	2760	Pay-roll Laborers, November 19th to November 24th.....
			23 00
Dec. 4	48	2892	Pay-roll Laborers, November 26th to December 1st.....
			20 95
11	49	2892	Pay-roll Laborers, December 3d to December 8th.....
			32 45
19	50	2925	Commissioners of Sinking Fund, payment of cash loan.....
			500 00
	51	2925	Commissioners of Sinking Fund, interest on cash loan.....
			5 18
28	52	3028	Pay-roll Laborers, December 17th to December 22d.....
			62 25
1878.			
Jan. 4	53	3087	Pay-roll Laborers, December 24th to December 29th.....
			84 08
15	54	3181	Pay-roll Laborers, January 7th to January 12th.....
			2 80
22	55	3238	Pay-roll Laborers, January 14th to January 19th.....
			12 10
			<hr/>
			\$2,215 58
			<hr/>

## ROAD DISTRICT FUND, SECOND WARD—CONDENSED.

Pay-roll Laborers.....	\$1,598 15	
Hauling dirt.....	103 30	
Tools, and repairing same.....	8 95	
Payment of cash loan.....	500 00	
Interest on cash loan.....	5 18	
	<hr/>	\$2,215 58
To Balance, January 31st, 1878.....		444 78
		<hr/>
		<u>\$2,660 36</u>
		Cr.
By Balance, January 31st, 1877.....	\$1,065 36	
Appropriation, 1877.....	1,000 00	
Loan.....	\$500 00	
Railway cleaning.....	75 00	
	<hr/>	575 00
		<u>\$2,660 36</u>

## ROAD DISTRICT FUND, THIRD WARD.

Date. Voucher. Warrant.

1877.

Feb.	1	1	29	Pay-roll Laborers, January 15th to Jan- uary 20th.....	\$18.03
		2	30	Pay-roll Laborers, January 22d to Jan- uary 27th.....	3 25
	6	3	100	Pay-roll Laborers, January 29th to Feb- ruary 2d.....	3 80
March	6	4	302	Pay-roll Laborers, Feb. 19th to March 2d..	1 30
April	3	5	518	Pay-roll Laborers, March 17th to Mar. 30th.	5 06
	10	6	575	Pay-roll Laborers, March 31st to April 6th,	1 58
	24	7	658	Pay-roll Laborers, April 14th to April 20th,	36 94
May	1	8	698	Pay-roll Superintendent hauling dirt.....	4 50
		9	699	Pay-roll Laborers, April 21st to April 27th,	71 94
		10	700	Louis Schreck, hauling dirt.....	57 75
	8	11	787	Louis Schreck, hauling dirt.....	6 00
	29	12	974	Louis Schreck, grading alley.....	62 75
		13	974	Louis Schreck, grading alley.....	51 25
		14	975	Pay-roll Laborers, May 24th to May 26th...	24 38
	5	15	1064	Pay-roll Laborers, May 26th to June 1st...	12 38
	26	16	1262	Pay-roll Laborers, June 16th to June 23d..	9 50
July	3	17	1327	Pay-roll Laborers, June 25th to June 30th..	10 25
	10	18	1399	Pay-roll Laborers, July 2d to July 7th.....	27 38

Date.	Voucher.	Warrant.			
July	17	19	1453	Pay-roll Laborers, July 9th to July 14th...	\$27 88
		20	1454	Foley & Moran, grading alley.....	111 51
Aug.	7	21	1678	Pay-roll Laborers, July 30th to August 4th.	37 63
	14	22	1760	Pay-roll Laborers, August 6th to Aug. 11th.	50 70
	15	23	1709	Commissioners of Sinking Fund, payment on cash loan.....	400 00
		24	1709	Commissioners of Sinking Fund, interest on cash loan.....	6 67
	21	25	1822	Pay-roll Laborers, August 18th to Au- gust 18th.....	12 13
	26	26	1902	Pay-roll Laborers, August 20th to Au- gust 25th.....	94 00
		27	1902	Pay-roll Laborers, August 25th.....	9 38
Sept.	4	28	1984	Pay-roll Laborers, August 27th to Septem- ber 1st.....	16 75
	11	29	2063	Pay-roll Laborers, September 3d to Sep- tember 8th.....	22 00
Oct.	2	30	2251	Pay-roll Laborers, September 24th to Sep- tember 29th.....	8 50
	26	31	2467	Pay-roll Laborers, October 15th to Octo- ber 20th.....	54 55
	30	32	2523	Pay-roll Laborers, October 22d to Octo- ber 27th.....	74 00
Nov.	9	33	2568	Pay-roll Laborers, October 29th to Novem- ber 3d.....	32 80
	20	34	2708	Pay-roll Laborers, November 12th to No- vember 17th.....	19 25
	27	35	2761	Pay-roll Laborers, November 19th to No- vember 24th.....	8 00
Dec.	4	36	2893	Pay-roll Laborers, November 26th to De- cember 1st.....	10 00
		37	2893	Pay-roll Laborers, November 26th to De- cember 1st.....	29 00
	11	38	2893	Pay-roll Laborers, December 3d to Decem- ber 8th.....	10 65
	18	39	2969	Pay-roll Laborers, December 10th to De- cember 15th.....	4 65
	19	40	2926	Commissioners of Sinking Fund, payment of cash loan.....	500 00
		41	2926	Commissioners of Sinking Fund, interest on cash loan.....	5 18
	28	42	3029	Pay-roll Laborers, December 17th to De- cember 22d.....	9 30
1878.					
Jan.	4	43	3068	Pay-roll Laborers, December 24th to De- cember 29th.....	25 82
	8	44	3139	Pay-roll Laborers, December 31st to Jan- uary 2d.....	24 40
		45	3139	Pay-roll Laborers, December 31st to Jan- uary 2d.....	21 65
					<hr/> \$2,034 44 <hr/>

## ROAD DISTRICT FUND, THIRD WARD—CONDENSED.

Pay-roll Laborers.....	\$833 33	
Hauling dirt.....	63 75	
Grading alleys, etc.....	225 51	
Payment of cash loan.....	900 00	
Interest on cash loan.....	11 85	
	<hr/>	\$2,034 44
To Balance, January 31st, 1878.....		674 56
		<hr/>
		<u>\$2,708 99</u>

C.R.

By Balance, January 31st, 1877.....	\$684 59	
Appropriation.....	1,100 00	
Loan.....	\$900 00	
Railway cleaning.....	23 00	
Aggregate City Bids.....	1 40	
	<hr/>	\$994 40
		<u>\$2,708 99</u>

## ROAD DISTRICT FUND, FOURTH WARD.

Date. Voucher. Warrant.

1877.

Feb.	6	1	101	Pay-roll Laborers, January 29th to February 2d.....	\$ 90
March	6	2	303	Pay-roll Laborers, February 19th to March 2d .....	1 20
May	1	3	701	Pay-roll Superintendent, hauling dirt, April 4	1 50
		4	702	Pay-roll Laborers, April 23d to April 24th..	17 45
		5	703	Louis Schreck, hauling dirt .....	12 10
	8	6	800	Louis Schreck, hauling dirt .....	34 45
		7	788	Pay-roll Laborers, April 28th to May 4th...	93 85
	15	8	851	Pay-roll Laborers, May 5th to May 11th....	46 50
June	26	9	1263	Pay-roll Laborers, June 16th to June 23d..	25 98

Date.	Voucher.	Warrant.		
July	8 10	1398	Pay-roll Laborers, June 23d to June 30th..	\$5 18
	24 11	1518	Pay-roll Laborers, July 16th to July 31st...	39 28
	31 12	1594	Pay-roll Laborers, July 23d to July 29th...	7 68
Aug.	7 13	1679	Pay-roll Laborers, July 30th to August 4th,	31 75
	14 14	1761	Pay-roll Laborers, August 6th to August 11th.....	48 00
	15 15	1710	Commissioners of Sinking Fund, payment of cash loan.....	500 00
	16 1710	Commissioners of Sinking Fund, interest on cash loan.....	8 84	
	21 17	1823	Pay-roll Laborers, August 13th to August 18th.....	55 25
•	28 18	1903	Pay-roll Laborers, August 20th to August 25th.....	56 00
Sept.	4 19	1965	Pay-roll Laborers, August 27th to September 1st.....	13 50
	11 20	2064	Pay-roll Laborers, September 3d to September 7th.....	5 13
Oct.	2 21	2252	Pay-roll Laborers, September 24th to September 29th.....	91 26
	16 22	2400	Pay-roll Laborers, October 8th to October 13th.....	28 00
Nov.	9 23	2589	Pay-roll Laborers, October 29th to November 3d.....	27 00
	20 24	2709	Pay-roll Laborers, November 12th to November 17th.....	38 70
	27 25	2762	Pay-roll Laborers, November 19th to November 24th.....	40 75
Dec.	11 26	2894	Pay-roll Laborers, December 3d to December 8th.....	21 35
	18 27	2970	Pay-roll Laborers, December 10th to December 15th.....	18 65
	28 2970	Pay-roll Laborers, December 10th to December 15th.....	4 96	
	19 29	2927	Commissioners of Sinking Fund, payment of cash loan.....	500 00
	30 2927	Commissioners of Sinking Fund, interest on cash loan.....	5 18	
1878.				
Jan.	4 31	3089	Pay-roll Laborers, December 24th to December 29th.....	32 90
	22 32	3239	Pay-roll Laborers, January 14th to January 21st .....	7 95
				<u>\$1,830 13</u>

## ROAD DISTRICT FUND, FOURTH WARD—CONDENSED.

Pay-roll Laborers.....	\$750 06	
Hauling dirt.....	66 55	
Payment of cash loan.....	1,000 00	
Interest on cash loan.....	13 52	
	<hr/>	\$1,830 13
To Balance, January 31st, 1878.....		704 76
		<hr/>
		<u>\$2,534 89</u>

CR.

By Balance, January 31st, 1877.....	\$286 51	
Appropriation of 1877.....	1,200 00	
Loan.....	\$1,000 00	
Amount unpaid on Rolls.....	1 20	
Aggregate City Bids.....	24 18	
Cleaning railways.....	23 00	
	<hr/>	1,048 88
		<hr/>
		<u>\$2,534 89</u>

## ROAD DISTRICT FUND, FIFTH WARD.

Date. Voucher. Warrant.

1877.

Feb.	1	1	31	Pay-roll Laborers, January 15th to January 20th.....	\$8 10
		2	32	Pay-roll Laborers, January 22d to January 27th.....	8 10
		6	3	102 Pay-roll Laborers, January 29th to February 2d.....	8 00
		13	4	160 Pay-roll Laborers, February 3d to February 9th.....	7 25
March	6	5	304	Pay-roll Laborers, February 17th to March 2d .....	2 00
		13	6	307 Pay-roll Laborers, February 17th to March 7th.....	4 25

Date.		Voucher.	Warrant.		
April	3	7	519	Pay-roll Laborers, March 17th to March 30th.....	\$11 80
	10	8	576	Pay-roll Laborers, March 31st to April 6th,	2 70
	17	9	606	Pay-roll Laborers, April 7th to April 14th..	2 00
May	4	10	721	Pay-roll Laborers, April 16th to April 27th,	142 49
		11	722	C. Kaiser & Co., hauling dirt.....	94 50
	8	12	789	C. Kaiser & Co., hauling dirt.....	53 25
		13	790	Pay-roll Superintendent, hauling dirt.....	3 25
	15	14	852	Pay-roll Laborers, April 28th to May 11th,	46 75
		15	858	J. B. Wilson, repairing land roller.....	2 94
	22	16	918	Pay-roll Laborers, May 11th to May 18th..	148 35
	29	17	976	Pay-roll Laborers, May 19th to May 26th...	157 70
June	5	18	1065	Pay-roll Laborers, May 26th to June 1st...	181 25
	19	19	1184	Pay-roll Laborers, June 3th to June 12th...	89 75
		20	1185	Foley & Moran, hauling dirt .....	31 25
July	3	21	1229	Pay-roll Laborers, June 23d to June 26th..	48 40
	17	22	1455	Pay-roll Laborers, July 12th to July 19th..	23 25
		23	1455	Pay-roll Laborers, July 9th to July 14th...	81 00
	24	24	1519	Pay-roll Laborers, July 14th to July 21st..	145 50
		25	1519	Pay-roll Laborers, July 16th to July 20th..	137 30
		26	1520	W. S. Penfield, agent, plow.....	4 50
Aug.	7	27	1690	Pay-roll Laborers, July 30th to August 4th,	45 00
	14	28	1762	Pay-roll Laborers, August 6th to August 11th.....	115 00
	15	29	1711	Commissioners of Sinking Fund, payment of cash loan....	1,000 00
		30	1711	Commissioners of Sinking Fund, interest on cash loan....	18 99
Sep.	4	31	1998	Pay-roll Laborers, August 27th to September 1st.....	114 00
	25	32	2182	Pay-roll Laborers, September 8th .....	9 38
		33	2182	Pay-roll Laborers, September 17th to September 22d.....	148 25
Oct.	16	34	2401	Pay-roll Laborers, October 8th to October 13th .....	94 00
	23	35	2468	Pay-roll Laborers, October 6th to October 19th.....	28 13
		36	2468	Pay-roll Laborers, October 13th to October 19th.....	176 90
		37	2468	Pay-roll Laborers, October 15th to October 20th.....	31 50
	30	38	2524	Pay-roll Laborers, October 20th to October 26th.....	89 50
Nov.	9	39	2590	Pay-roll Laborers, November 2d.....	9 38
	13	40	2654	Pay-roll Laborers, November 5th to November 10th.....	79 90
	20	41	2710	Pay-roll Laborers November 10th to November 17th.....	314 60
		42	2710	Pay-roll Laborers, November 15th.....	4 37
	27	43	2763	Pay-roll Laborers, November 19th to November 24th.....	113 10



Date.	Voucher.	Warrant.			
Dec.	11	44	2895	Pay-roll Laborers, December 8d to December 8th.....	\$169 75
	18	45	2971	Pay-roll Laborers, December 10th to December 15th.....	94 70
	28	46	3080	Pay-roll Laborers, December 17th to December 22d.....	27 65
1878.					
Jan.	4	47	3090	Pay-roll Laborers, December 22d to December 29th.....	123 05
	9	48	3140	Pay-roll Laborers, December 22d to December 29th.....	14 05
	22	49	3240	Pay-roll Laborers, January 14th to January 19th.....	4 90
					<u>\$4,371 13</u>

## ROAD DISTRICT FUND, FIFTH WARD—CONDENSED.

Pay-roll Laborers.....	\$3,065 70	
Hauling dirt.....	179 00	
Tools, and repairing same.....	7 44	
Payment of cash loan.....	1,000 00	
Interest on cash loan.....	18 99	
	<u>\$4,371 13</u>	
To Balance, January 31st, 1878.....		1,454 33
		<u>\$5,725 46</u>

		CR.
By Balance, January 31st, 1877.....	\$110 23	
Appropriation of 1877.....	3,500 00	
Loan.....	\$2,000 00	
Aggregate City Bids.....	89 23	
Amount uncalled for on Rolls.....	1 00	
Railway cleaning.....	25 00	
	<u>2,115 23</u>	
		<u>\$5,725 46</u>

## ROAD DISTRICT FUND, SIXTH WARD.

Date. Voucher. Warrant.

1878.

Feb.	1	1	33	Pay-roll Laborers, January 15th to Jan- uary 20th.....	\$16 40
	6	2	103	Pay-roll Laborers, January 29th to Feb. 2d.	7 00
	13	3	161	Pay-roll Laborers, February 3d to Feb. 9th.	2 30
March	6	4	305	Pay-roll Laborers, Feb. 19th to March 2d..	1 30
April	3	5	530	Pay-roll Laborers, March 17th to Mar. 30th.	2 75
	24	6	659	Pay-roll Laborers, April 16th to April 21st.	47 63
May	1	7	704	Pay-roll Laborers, April 23d to April 27th..	12 05
		8	705	C. Kaiser & Co., hauling dirt.....	41 65
	8	9	791	Pay-roll Laborers, April 28th to May 4th...	79 55
		10	791	Pay-roll Laborers, May 5th.....	9 62
	15	11	854	Pay-roll Laborers, May 5th to May 11th....	15 50
		12	855	C. Kaiser & Co., hauling dirt.....	50 47
	22	13	919	Pay-roll Laborers, May 18th.....	4 19
June	9	14	1069	E. Robinson & Co., extra grading on St. Antoine street.....	62 37
	12	15	1126	Pay-roll Laborers, June 6th to June 8th...	48 00
	26	16	1264	Pay-roll Laborers, June 9th to June 22d...	167 15
July	10	17	1400	Pay-roll Laborers, June 23d to July 6th....	181 90
	24	19	1521	Pay-roll Laborers, July 7th to July 20th...	198 70
Aug.	7	20	1681	Pay-roll Laborers, July 21st to August 3d..	210 10
	15	21	1712	Commissioners of Sinking Fund, payment of cash loan.....	1,800 00
		22	1712	Commissioners of Sinking Fund, interest on cash loan.....	34 44
	21	23	1824	Pay-roll Laborers, August 4th to Aug. 17th.	188 50
Sept.	4	24	1967	Pay-roll Laborers, August 18th to Aug. 31st.	72 95
	18	25	2120	Pay-roll Laborers, September 1st to Sep- tember 14th.....	139 25
Oct.	2	26	2253	Pay-roll Laborers, September 15th to Sep- tember 28th.....	83 00
	16	27	2402	Pay-roll Laborers, September 29th to Oc- tober 12th.....	75 00
	30	28	2525	Pay-roll Laborers, Oct. 13th to Oct. 26th...	110 40
Nov.	13	29	2655	Pay-roll Laborers, October 27th to Novem- ber 9th.....	81 30
	27	30	2754	Pay-roll Laborers, November 10th to No- vember 23d.....	237 40
Dec.	4	31	2834	Pay-roll Laborers, November 24th to De- cember 1st.....	40 30
1878.					
Jan.	4	32	3091	Pay-roll Laborers, December 24th to De- cember 29th.....	15 75
		33	3091	Pay-roll Laborers, December 29th.....	3 65
	34	34	3241	Pay-roll Laborers, January 14th to Jan- uary 19th.....	2 40
					<hr/> \$4,087 98

## ROAD DISTRICT FUND, SIXTH WARD—CONDENSED.

Pay-roll Laborers.....	\$2,049 05	
Hauling dirt.....	92 12	
Grading streets, etc.....	62 37	
Payment of cash loan.....	1,800 00	
Interest on cash loan.....	34 44	
	<u>\$235 89</u>	\$4,037 98
To Balance, January 31st, 1877.....		
To Balance, January 31st, 1878.....	1,929 00	
		<u>2,164 89</u>
		<u>\$6,202 87</u>
CR.		
By Appropriation, 1877.....	\$3,000 00	
Loan.....	\$2,800 00	
Aggregate City Bids.....	368 20	
Railway cleaning.....	34 67	
	<u>3,202 87</u>	\$6,202 87

## ROAD DISTRICT FUND, SEVENTH WARD.

Date. Voucher. Warrant.

1877.

Feb.	20	1	206	Pay-roll Laborers, February 10th to February 16th.....	\$1 00
May	1	2	706	Pay-roll Superintendent, hauling dirt.....	1 50
		3	707	Pay-roll Laborers, April 24th to April 25th..	20 98
		4	708	Louis Schreck, hauling dirt.....	12 54
	8	5	792	Pay-roll Laborers, April 28th to May 4th...	126 75
		6	793	Louis Schreck, hauling dirt.....	30 69
	15	7	856	Pay-roll Laborers, May 5th to May 11th....	127 50
	22	8	220	Pay-roll Laborers, May 12th to May 18th...	65 75
		9	921	Louis Schreck, hauling dirt.....	15 84
June	5	10	1056	Pay-roll Laborers, May 26th to June 1st...	16 50
	26	11	1265	Pay-roll Laborers, June 16th to June 23d..	14 88
July	8	12	1330	Pay-roll Laborers, June 25th to June 30th,	10 25
	10	13	1401	Pay-roll Laborers, July 2d to July 7th.....	5 63
	24	14	1522	Pay-roll Laborers, July 16th to July 21st...	20 50
	31	15	1595	Pay-roll Laborers, July 23d to July 28th....	78 38
		16	1596	Foley & Moran, excavating in alley.....	192 53
Aug.	7	17	1682	Foley & Moran, grading in alley.....	32 75

Date.	Voucher.	Warrant.		
Aug.	7 18	1688	Pay-roll Laborers, July 30th to August 4th,	\$101 00
	14 19	1768	Pay-roll Laborers, August 6th to Aug. 11th,	56 50
	15 20	1718	Commissioners of Sinking Fund, payment of cash loan.....	650 00
	21	1718	Commissioners of Sinking Fund, interest on cash loan.....	11 94
	21 22	1825	Pay-roll Laborers, Aug. 18th to Aug. 18th,	28 00
	28 23	1904	Pay-roll Laborers, Aug. 20th to Aug. 25th,	43 00
Sept.	4 24	1988	Pay-roll Laborers, August 27th to Septem- ber 1st.....	11 00
	11 25	2065	Pay-roll Laborers, September 3d to Sep- tember 8th.....	19 38
Oct.	9 26	2329	Pay-roll Laborers, October 1st to Octo- ber 6th.....	64 38
	16 27	2408	Pay-roll Laborers, October 8th to Octo- ber 13th.....	21 18
Nov.	9 28	2591	Pay-roll Laborers, October 29th to Novem- ber 3d.....	58 00
	20 29	2711	Pay-roll Laborers, November 12th to No- vember 17th.....	30 40
	27 30	2785	Pay-roll Laborers, November 19th to No- vember 24th.....	33 50
Dec.	11 31	2886	Pay-roll Laborers, December 3d to Decem- ber 8th.....	28 35
	18 32	2972	Pay-roll Laborers, December 10th to De- cember 15th.....	24 65
	19 33	2928	Commissioners of Sinking Fund, payment of cash loan.....	400 00
	34	2928	Commissioners of Sinking Fund, interest on cash loan.....	4 14
1878.				
Jan.	4 35	3092	Pay-roll Laborers, December 24th to De- cember 29th.....	19 30
				<u>\$2,367 59</u>

## ROAD DISTRICT FUND, SEVENTH WARD—CONDENSED.

Pay-roll Laborers.....	\$1,017 16
Hauling dirt .....	59 07
Grading and excavating streets, etc. ....	225 28
Payment of cash loan.....	1,050 00
Interest on cash loan.....	16 08
	<u>\$2,367 59</u>
To Balance, January 31st, 1878.....	350 92
	<u>\$2,718 51</u>

	Cr.
By Balance, January 31st, 1877 .....	\$312 35
Appropriation, 1877 .....	1,800 00
Loan.....	\$1,050 00
Aggregate City Bids.....	38 16
Railway cleaning.....	23 00
	<u>1,106 16</u>
	<u>\$2,718 51</u>

## ROAD DISTRICT FUND, EIGHTH WARD.

Date. Voucher. Warrant.

1877.

Feb.	6	1	104	Pay-roll Laborers, January 29th to Feb. 2d,	\$3 00
	13	2	162	Pay-roll Laborers, February 3d to Feb. 9th,	4 00
	20	3	207	Pay-roll Laborers, Feb. 10th to Feb. 16th..	5 50
April	3.	4	321	Pay-roll Laborers, March 17th to Mar. 30th,	2 60
May.	1	5	709	Pay-roll Laborers, April 23d to April 25th..	53 60
		6	710	Foley & Moran, hauling dirt.....	44 82
	15	7	857	Pay-roll Laborers, April 28th to May 11th..	25 50
		8	858	Foley & Moran, hauling dirt.....	17 28
		9	859	J. B. Wilson, repairing land roller.....	2 94
June	12	10	1127	Pay-roll Laborers, June 2d to June 8th ....	167 50
	19	11	1186	Pay-roll Laborers, June 9th to June 15th..	86 35
		12	1186	Pay-roll Laborers, June 9th to June 15th..	53 30
	26	13	1266	Pay-roll Laborers, June 18th to June 23d..	168 45
July	3	14	1331	Pay-roll Laborers, June 25th to June 30th,	114 90
	24	15	1522	W. S. Penfield, plow.....	4 50 /
Aug.	7	16	1684	Pay-roll Laborers, July 30th to August 4th,	59 50
	15	17	1714	Commissioners of Sinking Fund, payment of cash loan.....	1,000 00
		18	1714	Commissioners of Sinking Fund, interest on cash loan.....	21 10
	28	19	1905	Pay-roll Laborers, Aug. 20th to Aug. 25th,	35 50
Sept.	11	20	2066	Pay-roll Laborers, September 3d to Sep- tember 8th .....	143 75
		18	2121	Pay-roll Laborers, September 10th to Sep- tember 15th .....	134 25
Oct.	2	22	2254	Pay-roll Laborers, September 24th to Sep- tember 29th.....	134 50
		9	2320	Pay-roll Laborers, September 29th to Octo- ber 5th.....	203 70
		24	2320	Pay-roll Laborers, October 1st to Octo- ber 6th.....	123 75

Date. Voucher. Warrant.					
Oct.	16	25	2404	Pay-roll Laborers, October 6th to October 12th .....	\$117 50
	20	26	2417	Michael McLaughlin, cleaning streets in 1874, resolution of Council, October 16th, 1877 .....	40 00
	30	27	2526	Pay-roll Laborers, October 22d to October 27th .....	103 50
Dec.	11	28	2887	Pay-roll Laborers, December 1st to December 8th .....	11 00
	18	29	2973	Pay-roll Laborers, December 10th to December 15th .....	65 80
		30	2973	Pay-roll Laborers, December 10th to December 15th .....	80 30
	28	31	3031	Pay-roll Laborers, December 17th to December 22d .....	113 20
1878.					
Jan.	4	32	3093	Pay-roll Laborers, December 24th to December 29th .....	49 40
					<u>\$3,180 99</u>

## ROAD DISTRICT FUND, EIGHTH WARD—CONDENSED.

Pay-roll Laborers .....	\$2,050 35	
Tools, and repairing same .....	7 44	
Hauling dirt .....	62 10	
Extra cleaning streets in 1874 .....	40 00	
Payment of cash loan .....	1,000 00	
Interest on cash loan .....	21 10	
To Balance, January 31st, 1877 .....	\$126 52	\$3,183 99
To Balance, January 31st, 1878 .....	1,475 86	
		<u>1,602 38</u>
		<u>\$4,783 37</u>

C.R.

By Appropriation, 1877 .....		\$2,800 00	
Loan .....	\$1,800 00		
Aggregate City Bids .....	160 04		
Railway cleaning .....	23 33		
		<u>1,983 37</u>	\$4,783 37

## ROAD DISTRICT FUND, NINTH WARD.

Date. Voucher. Warrant.

1877.

Feb.	6	1	105	Pay-roll Laborers, January 29th to February 2d.....	\$1 50
		2	105	Pay-roll Laborers, January 29th to February 3d.....	22 50
	13	3	168	Pay-roll Laborers, February 2d to February 9th.....	3 50
	20	4	208	Pay-roll Laborers, February 10th to February 16th.....	8 75
March	6	5	249	Pay-roll Laborers, Feb. 19th to March 2d,	3 50
	13	6	308	Pay-roll Laborers, Feb. 17th to March 7th,	3 50
April	3	7	522	Pay-roll Laborers, March 17th to March 30th.....	11 40
	10	8	577	Pay-roll Laborers, March 31st to April 6th,	3 00
May	1	9	711	Pay-roll Laborers, April 24th to April 27th,	65 10
		10	712	Foley & Moran, hauling dirt.....	2 30
	8	11	794	M. McLaughlin, hauling dirt.....	52 21
	15	12	860	Pay-roll Laborers, April 28th to May 11th...	169 50
		13	861	J. B. Wilson, repairing land roller.....	2 98
	22	14	922	Pay-roll Laborers, May 16th to May 18th...	60 00
		15	923	M. McLaughlin, hauling dirt.....	44 85
	29	16	977	Pay-roll Laborers, May 19th to May 25th...	192 30
June	5	17	1057	Pay-roll Laborers, May 26th to June 2d....	210 00
	12	18	1128	Pay-roll Laborers, June 4th to June 9th....	166 20
	19	19	1187	Pay-roll Laborers, June 9th to June 15th....	53 85
July	10	20	1402	Pay-roll Laborers, July 2d to July 7th.....	133 50
		21	1457	Pay-roll Laborers, July 9th to July 14th....	87 00
		22	1774	James Riley, bill of bolts, etc.....	8 00
		23	1456	Pay-roll Laborers, July 6th to July 11th...	65 25
	24	24	1524	W. S. Penfield, Agent, plow points.....	2 40
		25	1524	W. S. Penfield, Agent, plow.....	4 50
Aug.	7	26	1685	Pay-roll Laborers, July 30th to August 4th,	34 75
	14	27	1764	Pay-roll Laborers, August 6th to Aug. 11th,	26 50
		28	1765	Pay-roll Laborers, August 4th to Aug. 10th,	214 80
	15	29	1715	Commissioners of Sinking Fund, payment of cash loan.....	2,000 00
		30	1715	Commissioners of Sinking Fund, interest on cash loan.....	37 78
	21	31	1826	Pay-roll Laborers, Aug. 11th to Aug. 17th,	125 40
		32	1826	Pay-roll Laborers, Aug. 13th to Aug. 18th,	130 00
	23	33	1906	Pay-roll Laborers, Aug. 18th to Aug. 24th,	167 50
		34	1906	Pay-roll Laborers, Aug. 20th to Aug. 28th,	19 00
		35	1907	Whelan & Coughlin, hauling earth.....	5 37
Sept.	4	36	1999	George W. Hough, street brooms.....	2 50
		37	1990	Pay-roll Laborers, August 25th to September 1st.....	190 50

Date.	Voucher.	Warrant.		
Sept. 11	38	2067	Pay-roll Laborers, September 3d to September 8th .....	\$93 75
	18	2122	Pay-roll Laborers, September 10 to September 15th .....	26 25
	25	2183	Pay-roll Laborers, September 15th to September 21st .....	207 20
		41	James Reilley, repairing tools .....	2 73
Oct. 2	42	2255	Pay-roll Laborers, September 22d to September 29th .....	225 00
	30	2327	Pay-roll Laborers, October 22d to October 29th .....	106 50
		44	W. S. Penfield, plow points .....	2 40
Nov. 9	45	2592	Pay-roll Laborers, October 29th to November 3d .....	228 60
	13	2656	Pay-roll Laborers, November 3d to November 10th .....	158 20
	20	2712	Pay-roll Laborers, November 12th to November 17th .....	159 20
	27	2766	Pay-roll Laborers, November 17th to November 23d .....	133 65
Dec. 11	49	2898	Pay-roll Laborers, December 1st to December 8th .....	81 15
		50	Pay-roll Laborers, December 3d to December 8th .....	15 68
		51	James L. Fisher, tools .....	2 25
	18	2974	Pay-roll Laborers, December 10th to December 15th .....	37 40
1878.				
Jan. 4	53	3094	Pay-roll Laborers, December 24th to December 29th .....	36 60
				<u>\$5,843 12</u>

## ROAD DISTRICT FUND, NINTH WARD—CONDENSED.

Pay-roll Laborers .....	\$3,672 88	
Tools, and repairing same .....	27 73	
Hauling dirt .....	104 73	
Payment of cash loan .....	2,000 00	
Interest on cash loan .....	37 78	
To Balance, January 31st, 1877 .....	\$167 34	\$5,843 12
To Balance, January 31st, 1878 .....	2,341 01	
		<u>2,508 35</u>
		<u>\$8,351 47</u>



		CR.
By Appropriation, 1877.....		\$5,000 00
Loan .....	\$3,000 00	
Amount unpaid on Rolls.....	1 90	
Hauling earth.....	12 00	
Aggregate City Bids .....	314 57	
Railway cleaning .....	23 00	
	<u>3,351 37</u>	<u>\$8,351 47</u>

## ROAD DISTRICT FUND, TENTH WARD.

Date. Voucher. Warrant.

1877.

Feb.	6	1	61	Pay-roll Laborers, January 29th to February 2d.....	\$4 50
		2	62	Henry May, grading Fort street.....	109 50
	13	3	120	Pay-roll Laborers, February 3d to February 9th.....	3 90
		4	121	Henry May, Grading Leib street.....	99 71
May	6	5	250	Foley & Moran, hauling dirt on Leib street,	24 38
April	3	6	523	Pay-roll Laborers, March 17th to Mar. 30th,	1 64
May	1	7	713	Pay-roll Laborers, April 25th to April 27th,	59 36
		8	714	Louis Schreck, hauling dirt.....	13 86
		8	795	Louis Schreck, hauling dirt.....	2 88
	22	10	924	Pay-roll Laborers, May 12th to May 18th...	93 13
		11	925	Louis Schreck, hauling dirt.....	2 42
	29	12	978	Pay-roll Laborers, May 19th to May 23d....	155 63
		13	979	Louis Schreck, hauling dirt.....	15 84
June	12	14	1129	Pay-roll Laborers, May 26th to June 8th...	328 35
	26	15	1267	Pay-roll Laborers, June 16th to June 23d...	20 50
		16	1267	Pay-roll Laborers, June 9th to June 23d...	301 70
July	3	17	1332	Pay-roll Laborers, June 23d to June 30th...	8 25
	10	18	1403	Pay-roll Laborers, June 23d to July 6th....	178 65
	17	19	1459	Foley & Moran, hauling earth.....	32 12
	24	20	1525	Pay-roll Laborers, July 7th to July 21st....	281 13
	31	21	1597	Pay-roll Laborers, July 23d to July 28th...	124 00
		22	1598	Foley & Moran, hauling dirt.....	60 88
		23	1599	Detroit and Lake Superior Iron Manufacturing Co., cinders.....	16 90
		24	1600	Jeremiah Connor, hauling dirt.....	9 90
Aug.	7	25	1686	Pay-roll Laborers, July 30th to August 4th,	50 00
		26	1687	Foley & Moran, hauling dirt .....	10 25
	15	27	1716	Commissioners of Sinking Fund, payment of cash loan.....	2,500 00

Date.	Voucher.	Warrant.		
Aug. 15	28	1716	Commissioners of Sinking Fund, interest on cash loan.....	\$46 13
	28	29	1908 Pay-roll Laborers, Aug. 20th to Aug. 25th,	7 25
Sept. 4	30	1991	Louis Schreck, hauling dirt.....	3 75
	31	1992	Pay-roll Laborers, August 27th to September 1st.....	68 50
	11	32	2068 Pay-roll Laborers, September 3d to September 8th.....	119 00
	18	33	2123 Pay-roll Laborers, September 10th to September 15th.....	135 25
	25	34	2185 Pay-roll Laborers, September 17th to September 22d.....	145 50
		35	2186 Albert Koss, hauling dirt.....	3 92
Oct. 2	36	2256	Pay-roll Laborers, September 24th to September 29th.....	30 25
	9	37	2325 Henry Collins, hauling broken bricks to Elmwood avenue.....	7 00
	16	38	2403 Detroit and Lake Superior Iron Works, cinders.....	2 70
Nov. 13	39	2657	Pay-roll Laborers, November 5th to November 10th.....	40 90
	20	40	2713 Pay-roll Laborers, November 12th to November 17th.....	91 20
Dec. 18	41	2975	Pay-roll Laborers, December 10th to December 15th.....	11 70
1878.				
Jan. 4	42	3095	Pay-roll Laborers, December 24th to December 29th.....	37 20
				<hr/>
				\$5,259 62

## ROAD DISTRICT FUND, TENTH WARD—CONDENSED.

Pay-roll Laborers.....	\$2,297 48	
Hauling dirt, etc.....	187 20	
Grading streets.....	209 21	
Cinders.....	19 60	
Payment of cash loan.....	2,500 00	
Interest on cash loan.....	46 13	
		<hr/>
To Balance, January 31st, 1877.....	\$313 97	\$5,259 62
To Balance, January 31st, 1878.....	2,578 74	
		<hr/>
		\$2,892 71
		<hr/>
		\$8,152 33

		CR.
By Appropriation, 1877.....		\$3,500 00
Loan.....	\$4,900 00	
Aggregate City Bids.....	282 33	
Railway cleaning.....	70 00	
		<u>4,652 33</u>
		<u>\$8,152 33</u>

## ROAD DISTRICT FUND, ELEVENTH WARD.

Date. Voucher. Warrant.

1877.

May	1	1	715	Pay-roll Laborers, April 23d to April 27th..	\$26 38
		2	716	C. Kaiser & Co., hauling dirt.....	20 28
	8	3	796	Pay-roll Laborers, April 28th to May 4th. .	50 25
	15	4	862	Pay-roll Laborers, May 5th to May 11th....	11 25
		5	863	C. Kaiser & Co., hauling dirt.....	34 58
	29	6	980	Pay-roll Laborers, May 15th to May 22d....	180 70
June	9	7	1070	E. Robinson & Co., extra grading on St. Antoine street.....	62 37
	12	8	1130	Pay-roll Laborers, June 1st to June 6th....	86 25
	26	9	1268	Pay-roll Laborers, June 9th to June 22d ...	115 75
		10	1268	Pay-roll Laborers, June 9th to June 22d....	42 90
	10	11	1404	Pay-roll Laborers, June 23d to July 6th....	197 75
	24	12	1526	Pay-roll Laborers, July 7th to July 20th....	316 50
Aug.	7	13	1688	Pay-roll Laborers, July 21st to August 3d..	148 10
	15	14	1717	Commissioners of Sinking Fund, payment of cash loan.....	1,000 00
		15	1717	Commissioners of Sinking Fund, interest on cash loan.....	21 10
	21	16	1827	Pay-roll Laborers, August 4th to Aug. 17th,	180 00
Sept.	4	17	1993	Pay-roll Laborers, August 18th to Aug- ust 31st.....	68 65
		18	1993	Pay-roll Laborers, August 18th to Aug- ust 31st.....	24 55
Oct.	2	19	2257	Pay-roll Laborers, September 15th to Sep- tember 28th.....	11 50
	23	20	2469	Pay-roll Laborers, October 13th to Octo- ber 19th.....	31 00
Nov.	9	21	2593	Pay-roll Laborers, October 20th to Novem- ber 2d.....	65 20
	20	22	2714	Pay-roll Laborers, November 3d to No- vember 16th.....	115 35
	28	2715	Foley & Moran, hauling dirt.....	15 00	

Date.	Voucher.	Warrant.		
Nov. 27	24	2767	Pay-roll Laborers, November 17th to November 22d.....	\$123 35
Dec. 4	25.	2835	Pay-roll Laborers, November 26th to December 1st.....	23 45
18	26	2876	Pay-roll Laborers, December 10th to December 15th.....	67 45
27	2876		Pay-roll Laborers, December 10th to December 15th.....	55 90
19	28	2929	Commissioners of Sinking Fund, payment of cash loan.....	1,000 00
29	2929		Commissioners of Sinking Fund, interest on cash loan.....	10 35
28	30	3032	Pay-roll Laborers, December 17th to December 22d.....	39 40
31	3032		Pay-roll Laborers, December 17th to December 22d.....	41 60
1878.				
Jan. 8	32	3141	Pay-roll Laborers, December 22d to December 31st.....	96 75
15	33	3182	Henry Collins, hauling dirt.....	3 75
				<u>\$4,177 41</u>

## ROAD DISTRICT FUND, ELEVENTH WARD—CONDENSED.

Pay-roll Laborers.....	\$2,009 98
Hauling dirt.....	73 61
Grading streets.....	62 37
Payment of cash loan.....	2,000 00
Interest on cash loan.....	31 45
	<u>\$4,177 41</u>
To Balance, January 31st, 1878.....	833 04
	<u>\$5,010 45</u>

Cr.

By Appropriation, 1877.....	\$3,000 00
Loan.....	\$2,000 00
Amount unpaid on Rolls.....	45
Railway cleaning.....	10 00
	<u>2,010 45</u>
	<u>\$5,010 45</u>

## ROAD DISTRICT FUND, TWELFTH WARD.

Date. Voucher. Warrant.

1877.			
April	3	1	474 Pay-roll Laborers, March 17th to Mar. 30th, \$2 00
	10	2	578 Pay-roll Laborers, March 31st to April 6th, 1 90
May	8	3	797 Pay-roll Laborers, April 28th to May 3d.... 151 20
		4	798 M. McLaughlin, hauling dirt..... 26 45
	15	5	864 Pay-roll Laborers, May 7th to May 12th.... 185 50
		6	865 J. B. Wilson, repairing land roller..... 2 93
	22	7	936 Pay-roll Laborers, May 14th to May 16th... 66 00
		8	937 M. McLaughlin, hauling dirt..... 2 53
June	12	9	1131 H. Heames & Co., bill of stone..... 3 75
July	17	10	1480 Pay-roll Laborers, July 3d..... 7 75
	24	11	1527 W. S. Penfield, Agent, plow..... 5 25
	31	12	1601 Pay-roll Laborers, July 21st to July 27th... 167 30
Aug.	7	13	1699 Pay-roll Laborers, July 28th to August 3d, 158 50
	14	14	1765 Pay-roll Laborers, August 6th to Aug. 11th, 25 50
	15	15	1718 Commissioners of Sinking Fund, payment of cash loan..... 800 00
		16	1718 Commissioners of Sinking Fund, interest on cash loan..... 16 88
Sept.	11	17	2069 Pay-roll Laborers, September 1st to September 7th ..... 157 00
	18	18	2124 Pay-roll Laborers, September 8th to September 14th ..... 201 20
Oct.	30	19	2529 Pay-roll Laborers, October 20th to October 26th ..... 65 50
Nov.	9	20	2594 Pay-roll Laborers, October 27th to November 2d ..... 223 50
Dec.	4	21	2836 Pay-roll Laborers, November 26th to December 1st ..... 134 25
	11	22	2900 Pay-roll Laborers, December 1st to December 8th ..... 7 30
	19	23	2930 Commissioners of Sinking Fund, payment of cash loan..... 1,000 00
	24	23	2930 Commissioners of Sinking Fund, interest on cash loan ..... 10 36
	26	25	3093 Pay-roll Laborers, December 17th to December 22d. .... 159 40
1878.			
Jan.	4	26	3096 Pay-roll Laborers, December 24th to December 29th..... 96 88
		27	3096 Pay-roll Laborers, December 31st to January 2d ..... 12 15
			<hr/> \$3,692 98

## ROAD DISTRICT FUND, TWELFTH WARD—CONDENSED.

Pay-roll Laborers.....	\$1,894 83	
Hauling dirt.....	28 96	
Tools, and repairing same.....	8 18	
Stone.....	8 75	
Payment of cash loan.....	1,800 00	
Interest on cash loan.....	27 24	
	<hr/>	\$3,682 96
To Balance, January 31st, 1878.....		1,290 25
		<hr/>
		<u>\$4,923 23</u>
		CR.
By Balance, January 31st, 1877.....	\$35 43	
Appropriation, 1877.....	3,000 00	
Aggregate City Bids.....	\$72 80	
Railway cleaning.....	15 00	
Loan.....	1,800 00	
	<hr/>	1,887 80
		<hr/>
		<u>\$4,923 23</u>

## ROAD DISTRICT FUND, THIRTEENTH WARD.

Date. Voucher. Warrant.

1877.

May	1	1	717	Pay-roll Laborers, April 24th to April 26th,	\$31 67
		2	718	Moran & Cleary, hauling dirt.....	24 25
	15	3	866	Pay-roll Laborers, May 5th to May 11th....	54 00
	29	4	981	Pay-roll Laborers, May 12th to May 25th...	183 10
June	12	5	1132	Pay-roll Laborers, May 26th to June 8th...	299 00
	19	6	1188	Foley & Moran, earth for filling up Cam- pau avenue.....	25 00
	26	7	1269	Pay-roll Laborers, June 9th to June 23d...	169 35
July	10	8	1405	Pay-roll Laborers, June 23d to July 6th....	100 55
	24	9	1528	Pay-roll Laborers, July 7th to July 13th...	10 50
		10	1529	R. M. Coon, grading and filling up street..	60 00
Aug.	7	11	1690	Pay-roll Laborers, July 21st to August 3d..	104 90
	14	12	1786	Perrien & Bro., road work.....	24 00
		13	1787	John Ferguson, road work.....	68 00
	15	14	1719	Commissioners of Sinking Fund, payment of cash loan.....	1,000 00

Date.	Voucher.	Warrant.		
	15	1719	Commissioners of Sinking Fund, interest on cash loan.....	\$21 10
	21	1838	Pay-roll Laborers, August 4th to Aug. 17th,	100 50
Sept.	4	17	1994 Pay-roll Laborers, August 18th to Aug. 31st,	158 55
		18	1995 Carl Smith, grading German street.....	30 00
	18	19	2125 Pay-roll Laborers, September 1st to September 14th .....	190 00
	25	20	2187 Pay-roll Laborers, September 15th to September 21st.....	49 50
Oct.	2	21	2258 Pay-roll Laborers, September 22d to September 28th .....	74 00
	9	22	2331 Pay-roll Laborers, September 29th to October 5th .....	87 00
	16	23	2406 Pay-roll Laborers, October 6th to October 12th .....	60 50
	23	24	2470 Pay-roll Laborers, October 13th to October 19th .....	27 00
Nov.	9	25	2595 Pay-roll Laborers, October 27th to November 2d .....	23 00
	30	26	2716 Pay-roll Laborers, November 3d to November 16th .....	76 40
	27	27	2768 Pay-roll Laborers, November 17th to November 23d.....	27 40
Dec.	18	28	2977 Pay-roll Laborers, December 10th to December 15th.....	37 45
	19	29	2931 Commissioners of Sinking Fund, payment of cash loan.....	800 00
		30	2931 Commissioners of Sinking Fund, interest on cash loan.....	8 28
1878.				
	8	31	3142 Pay-roll Laborers, December 22d to December 31st.....	38 20
				<u>\$3,963 20</u>

## ROAD DISTRICT FUND, THIRTEENTH WARD—CONDENSED.

Pay-roll Laborers.....	\$1,902 57	
Hauling dirt.....	49 25	
Grading streets.....	182 00	
Payment of cash loan.....	1,800 00	
Interest on cash loan.....	29 38	
		<u>\$3,963 20</u>
To Balance, January 31st, 1878.....		846 80
		<u>\$4,810 00</u>

		C.R.	
By Appropriation, 1877.....		\$3,000 00	
Loan .....	\$1,800 00		
Railway cleaning.....	10 00	1,810 00	\$4,810 00
			<u>          </u>

## UNCLASSIFIED TAXES OF 1876.

Date. Voucher. Warrant.

1877.

April 21	1	606	David Dickson, amount paid Receiver of Taxes in excess of his collections as Collector First Ward..	\$255 31
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## BOARD OF EDUCATION FUND.

Date. Voucher. Warrant.

1877.

Feb.	1	1	23	Board of Education, tax collections, 1876..	\$380 35
	6	2	51	Board of Education, tax collections, 1876..	453 61
		3	51	Board of Education, tax collections, 1876..	729 83
		4	51	Board of Education, tax collections, 1875..	50 17
	13	5	117	Board of Education, tax collections, 1876..	571 81
	20	6	172	Board of Education, tax collections, 1876..	438 75
		7	172	Board of Education, tax collections, 1875..	69 34
	27	8	217	Board of Education, tax collections, 1876..	273 37
		9	217	Board of Education, collections on city bids during 1876.....	5,472 27
March 6	10	247	Board of Education, tax collections, 1876..	1,324 86	
		11	247	Board of Education, tax collections, 1876..	421 74
	13	12	329	Board of Education, tax collections, 1876..	386 46
	20	13	332	Board of Education, tax collections, 1876..	570 39
	27	14	415	Board of Education, tax collections, 1876..	339 56
April 3	15	472	Board of Education, tax collections, 1876..	1,223 16	
		16	472	Board of Education, collections unclassified taxes of 1876.....	11,568 25
	10	17	534	Board of Education, tax collections, 1876..	1,563 89
	17	18	598	Board of Education, tax collections, 1876..	1,439 63
	24	19	662	Board of Education, tax collections, 1876..	1,446 97
May 1	20	724	Board of Education, tax collections, 1876	1,714 79	



Date.	Voucher.	Warrant.		
May	8 21	778	Board of Education, tax collections, 1876..	\$935 08
	15 22	837	Board of Education, tax collections, 1876..	628 66
	22 23	904	Board of Education, tax collections, 1876..	775 34
	29 24	960	Board of Education, tax collections, 1876..	903 30
June	5 25	1041	Board of Education, tax collections, 1876..	4,665 12
	12 26	1108	Board of Education, tax collections, 1876..	1,621 38
	19 27	1172	Board of Education, tax collections, 1876..	564 37
	26 28	1245	Board of Education, tax collections, 1876..	685 53
July	3 29	1317	Board of Education, tax collections, 1876..	4,214 94
	10 30	1388	Board of Education, tax collections, 1876..	260 42
		81 1388	Board of Education, tax collections, 1877..	3,693 61
	17 32	1447	Board of Education, tax collections, 1876..	131 21
		33 1447	Board of Education, tax collections, 1877..	8,280 30
	24 34	1507	Board of Education, tax collections, 1877..	15,271 30
	31 35	1547	Board of Education, tax collections, 1877..	29,472 09
Aug.	7 36	1666	Board of Education, tax collections, 1877..	62,632 78
		37 1666	Board of Education, tax collections, 1876..	29 34
	14 38	1745	Board of Education, tax collections, 1877..	4,519 09
	21 39	1806	Board of Education, tax collections, 1877..	1,021 71
	28 40	1919	Board of Education, tax collections, 1876..	1,847 26
Sept.	4 41	2007	Board of Education, tax collections, 1876..	8 69
		42 2007	Board of Education, tax collections, 1877..	5,011 99
	11 43	2049	Board of Education, collections city bids, 1846 to 1876.....	4,523 98
		44 2049	Board of Education, tax collections, 1877..	1,159 54
	18 45	2111	Board of Education, tax collections, 1877..	767 86
	25 46	2173	Board of Education, tax collections, 1877..	1,033 38
Oct.	2 47	2201	Board of Education, tax collections, 1877..	2,624 70
	9 48	2308	Board of Education, tax collections, 1877..	1 517 50
	16 49	2334	Board of Education, tax collections, 1877..	482 86
	23 50	2447	Board of Education, tax collections, 1877..	626 25
	30 51	2507	Board of Education, tax collections, 1877..	1,290 21
Nov.	9 52	2569	Board of Education, tax collections, 1877..	1,994 31
	13 53	2610	Board of Education, tax collections, 1877..	313 97
	20 54	2692	Board of Education, tax collections, 1877..	608 80
	27 55	2744	Board of Education, tax collections, 1877..	630 25
Dec.	4 56	2816	Board of Education, tax collections, 1877..	1,713 67
	11 57	2875	Board of Education, tax collections, 1877..	565 38
	18 58	2953	Board of Education, tax collections, 1877..	857 32
	28 59	3011	Board of Education, collections unclassified taxes of 1876.....	326 50
		60 3011	Board of Education, tax collections, 1877..	777 60
1878.				
Jan.	4 61	3072	Board of Education, tax collections, 1876..	5 72
		62 3072	Board of Education, tax collections, 1877..	750 16
		63 3072	Board of Education, tax collections, 1877..	266 15
	8 64	3130	Board of Education, tax collections, 1876..	133 08
		65 3130	Board of Education, tax collections, 1877..	2,072 71
	15 66	3172	Board of Education, tax collections, 1877..	350 92
	22 67	3231	Board of Education, tax collections, 1877..	463 16
				<hr/> \$203,444 33 <hr/>

## BOARD OF EDUCATION FUND—CONDENSED.

Board of Education, taxes of 1875.....	\$119 51	
Board of Education, taxes of 1876.....	50,727 74	
Board of Education, taxes of 1877.....	152,597 18	\$303,444 38
To Balance, January 31st, 1878.....		72,686 87
		<u>\$376,131 25</u>

CR.

By Balance, January 31st, 1877.....	\$70,401 74	
Appropriation of 1877.....	198 825 60	
City Bids.....	6,908 91	\$276,131 25
		<u>\$276,131 25</u>

## METROPOLITAN POLICE FUND.

Date. Voucher. Warrant.

1877.

Feb.	6	1	52	Metropolitan Police Commissioners, Taxes	
				1876.....	\$272 78
		2	52	Metropolitan Police Commissioners, Taxes	
				1876.....	498 98
		3	52	Metropolitan Police Commissioners, Taxes	
				1875.....	22 34
	13	4	118	Metropolitan Police Commissioners, Taxes	
				1876.....	342 56
	20	5	173	Metropolitan Police Commissioners, Taxes	
				1876.....	261 02
		6	173	Metropolitan Police Commissioners, Taxes	
				1875.....	30 92
	27	7	219	Metropolitan Police Commissioners, Taxes	
				1876.....	164 41
		8	219	Metropolitan Police Commissioners, collection	
				of City Bids during 1876.....	2,716 90
March	6	9	245	Metropolitan Police Commissioners, Taxes	
				1876.....	797 00
		10	245	Metropolitan Police Commissioners, Taxes	
				1876.....	253 66

	Date.	Voucher.	Warrant.		
Mar.	13	11	330	Metropolitan Police Commissioners, Taxes 1876.....	\$332 39
	20	12	381	Metropolitan Police Commissioners, Taxes 1876.....	343 06
	27	13	416	Metropolitan Police Commissioners, Taxes 1876.....	304 21
April	8	14	469	Metropolitan Police Commissioners, Taxes 1876.....	735 73
	15		469	Metropolitan Police Commissioners, Unclassified Taxes 1876.....	6,949 70
	10	16	555	Metropolitan Police Commissioners, Taxes 1876.....	937 15
	17	17	594	Metropolitan Police Commissioners, Taxes 1876.....	865 81
	24	18	660	Metropolitan Police Commissioners, Taxes 1876.....	870 41
May	1	19	670	Metropolitan Police Commissioners, Taxes 1876.....	1,031 55
	8	20	774	Metropolitan Police Commissioners, Taxes 1876.....	562 45
	15	21	809	Metropolitan Police Commissioners, Taxes 1876.....	378 16
	22	22	877	Metropolitan Police Commissioners, Taxes 1876.....	466 32
	29	23	937	Metropolitan Police Commissioners, Taxes 1876.....	543 30
June	5	24	998	Metropolitan Police Commissioners, Taxes 1876.....	2,805 38
	12	25	1072	Metropolitan Police Commissioners, Taxes 1876.....	974 35
	19	26	1140	Metropolitan Police Commissioners, Taxes 1876.....	839 49
	26	27	1201	Metropolitan Police Commissioners, Taxes 1876.....	411 53
July	3	28	1286	Metropolitan Police Commissioners, Taxes 1876.....	2,533 96
	10	29	1347	Metropolitan Police Commissioners, Taxes 1867.....	156 59
		30	1347	Metropolitan Police Commissioners, Taxes 1877.....	2,507 58
	17	31	1420	Metropolitan Police Commissioners, Taxes 1876.....	79 02
		32	1420	Metropolitan Police Commissioners, Taxes 1877.....	5,521 48
	24	33	1479	Metropolitan Police Commissioners, Taxes 1877.....	10,368 49
	31	34	1556	Metropolitan Police Commissioners, Taxes 1877.....	20,027 74
Aug.	7	35	1633	Metropolitan Police Commissioners, Taxes 1877.....	42,529 01

Date.	Voucher.	Warrant,		
Aug.	7	86	1633	Metropolitan Police Commissioners, Taxes 1876.....
				\$17 95
	14	37	1731	Metropolitan Police Commissioners, Taxes 1877.....
				3,088 06
	31	38	1730	Metropolitan Police Commissioners, Taxes 1877.....
				694 16
	28	39	1858	Metropolitan Police Commissioners, Taxes 1877.....
				1,354 33
Sept.	4	40	1932	Metropolitan Police Commissioners, Taxes 1876.....
				5 28
	41		1932	Metropolitan Police Commissioners, Taxes 1877.....
				3,402 94
	11	42	2013	Metropolitan Police Commissioners, collec- tions, City Bids....
				2,141 51
	43		2013	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				787 21
	18	44	2112	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				532 09
	25	45	2146	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				702 06
Oct.	2	46	2200	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				1,782 10
	9	47	2274	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				1,030 16
	16	48	2352	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				327 87
	23	49	2448	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				425 33
	30	50	2484	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				869 16
Nov.	9	51	2570	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				1,354 13
	13	52	2643	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				213 30
	20	53	2693	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				413 35
	27	54	2745	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				427 92
Dec.	4	55	2817	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				1,163 76
	56		2856	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				383 92
	13	57	2923	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				582 10
	23	58	3012	Metropolitan Police Commissioners, Un- classified Taxes, 1876.....
				196 38
	59		3012	Metropolitan Police Commissioners, collec- tion Taxes, 1877.....
				528 63
1878.				
Jan.	4	60	3073	Metropolitan Police Commissioners, collec- tion Taxes, 1876.....
				3 44

Date.	Voucher.	Warrant.		
Jan.	4	61	3073	Metropolitan Police Commissioners, collection Taxes, 1877.....
				\$509 18
	62	3073		Metropolitan Police Commissioners, collection Taxes, 1877.....
				180 70
8	63	3181		Metropolitan Police Commissioners, collection Taxes, 1876.....
				80 04
	64	3181		Metropolitan Police Commissioners, collection Taxes, 1877.....
				1,407 84
15	65	3173		Metropolitan Police Commissioners, collection Taxes, 1877.....
				238 27
22	66	3199		Metropolitan Police Commissioners, collection Taxes, 1877.....
				814 88
				<u>\$182,702 80</u>

### METROPOLITAN POLICE FUND—CONDENSED.

Metropolitan Police Commissioners, Taxes of 1875.....	\$53 26
Metropolitan Police Commissioners, Taxes of 1876.....	29,112 39
Metropolitan Police Commissioners, Taxes of 1877.....	108,537 15
	<u>\$182,702 80</u>
To Balance, January 31st, 1878.....	48,655 77
	<u>\$176,858 57</u>

CR.

By Balance, January 31st, 1877.....	\$37,939 92
Appropriation, 1877.....	135,000 00
City Bids.....	3,418 65
	<u>\$176,858 57</u>

### WATER COMMISSIONERS' FUND.

Date.	Voucher.	Warrant.		
				1877.
Feb.	6	1	53	Board of Water Commissioners, collection Taxes, 1876.....
				\$712 91
	27	2	215	Board of Water Commissioners, collection City Bids, 1875....
				237 17

Date.	Voucher.	Warrant.		
March 6	3	248	Board of Water Commissioners, collection Taxes, 1876.....	\$565 63
	4	248	Board of Water Commissioners, collection Taxes, 1875.....	10 65
April 3	5	471	Board of Water Commissioners, collection unclassified Taxes, 1876.....	2,139 45
	6	471	Board of Water Commissioners, collection Taxes, 1876.....	544 08
May 8	7	775	Board of Water Commissioners, collection Taxes, 1876.....	1,183 47
June 19	8	1142	Board of Water Commissioners, collection Taxes, 1876.....	943 32
July 10	9	1399	Board of Water Commissioners, collection Taxes, 1876.....	1,738 09
Aug. 7	10	1625	Board of Water Commissioners, collection Taxes, 1877.....	16,750 79
Sept. 11	11	2014	Board of Water Commissioners, collection City Bids, 1876.....	331 50
	12	2014	Board of Water Commissioners, collection Taxes, 1876.....	7 13
	13	2014	Board of Water Commissioners, collection Taxes, 1877.....	9,501 40
Oct. 2	14	2235	Board of Water Commissioners, collection Taxes, 1877.....	1,438 62
Nov. 9	15	2571	Board of Water Commissioners, collection Taxes, 1877.....	1,041 82
Dec. 11	16	2851	Board of Water Commissioners, collection Taxes, 1877.....	639 70
	28	3018	Board of Water Commissioners, collection unclassified Taxes, 1876.....	60 40
1878.				
Jan. 8	18	3132	Board of Water Commissioners, collection Taxes 1876 and 1877.....	761 08
				<u>\$38,707 16</u>

## WATER COMMISSIONERS' FUND—CONDENSED.

Board of Water Commissioners, Taxes of 1875.....	\$247 82
Board of Water Commissioners, Taxes of 1876.....	8,276 96
Board of Water Commissioners, Taxes of 1877.....	30,183 36
	<u>\$38,707 16</u>
To Balance, January 31st, 1878.....	\$12,948 83
	<u>\$51,655 99</u>

	CR.
By Balance, January 31st, 1877 .....	\$11,086 54
Appropriation of 1877 .....	40,000 00
City Bids .....	619 45
	<u>\$51,655 99</u>

## FIRE COMMISSIONERS' FUND.

To Payments from Treasury .....	\$115,618 92
Balance January 31st, 1878 .....	67,791 80
	<u>\$183,410 72</u>
	CR.
By Balance, January 31st, 1877 .....	\$84,514 98
Appropriation .....	111,685 00
City Bids .....	3,409 31
Sale of horses and old material .....	\$3,799 86
Fees for Fire Marshal permits .....	51 80
	<u>8,851 46</u>
	<u>\$183,410 72</u>

## POLICE LIFE AND HEALTH INSURANCE FUND.

To Payments from Treasury .....	\$380 56
Balance January 31st, 1878 .....	325 02
	<u>\$705 58</u>
	CR.
By Balance, January 31st, 1877 .....	\$368 97
Payments into Treasury .....	386 61
	<u>\$705 58</u>

## SPECIAL ASSESSMENTS.

## LATERAL SEWER FUND.

Data. Voucher. Warrant.

1877.

Feb.	1	1	12	Daniel Sullivan, No. 1, collections, 1876....	\$18 07
		2	13	John Sullivan, collections, 1876 .....	21 19
		3	14	Chas. Reinfeldt, R. H. Hall, assignee, col- lections, 1876 .....	131 58
		4	15	Wagner & Dettloff, collections, 1876 .....	27 63
		5	16	M. & W. H. Henderson, collections, 1876...	11 88
		6	17	Ferdinand Porath, collections, 1876 .....	123 01
		7	18	James Cuddy, collections, 1875 .....	350 68
6	8	83		Chas. Reinfeldt, R. H. Hall, assignee, col- lections, 1876 .....	9 81
		9	84	J. & J. Sullivan, collections, 1876 .....	2 92
		10	85	B. Youngblood, collections, 1876 .....	46 19
		11	86	Daniel Sullivan, No. 1, collections, 1876 .....	55 91
		12	87	Ferdinand Porath, collections, 1876 .....	44 41
		13	88	Patrick & Daniel Shanahan, collections, 1872 .....	32 74
13	15	139		Wagner & Dettloff, collections, 1876 .....	43 17
		16	140	B. Youngblood, collections, 1876 .....	16 20
		17	141	Chas. Reinfeldt, R. H. Hall, assignee, col- lections, 1876 .....	151 90
		18	142	Ferdinand Porath, collections, 1876 .....	38 97
		19	143	Daniel Sullivan, No. 1, collections, 1876....	68 71
		20	144	J. & J. Sullivan, collections, 1876 .....	2 13
		21	145	Uridge & Bristow, collections, 1876 .....	36 24
		22	146	M. & W. H. Henderson, collections, 1876...	15 81
		23	147	John Sullivan, collections, 1876 .....	20 04
20	24	191		M. & W. H. Henderson, collections, 1876...	48 14
		25	192	Daniel Sullivan, No. 1, collections, 1876....	48 40
		26	193	Jeremiah Connor, collections, 1876 .....	18 46
		27	194	Wagner & Dettloff, collections, 1876 .....	24 44
		28	195	Chas. Reinfeldt, R. H. Hall, assignee, col- lections, 1876 .....	309 99
		29	196	August Zander, collections, 1876 .....	12 55
		30	197	Uridge & Bristow, collections, 1876 .....	68 18
		31	198	J. & J. Sullivan, collections, 1876 .....	4 25
27	32	231		Wagner & Dettloff, A. Dettloff, assignee, collections, 1876 .....	13 40



Date. Voucher. Warrant.					
Feb.	27	33	232	Chas. Reinfeldt, R. H. Hall, assignee, collections, 1876.....	\$37 54
		34	233	J. & J. Sullivan, collections, 1876.....	4 49
		35	234	Daniel Sullivan, No. 1, collections, 1876....	53 98
		36	235	B. Youngblood, collections, 1876.....	868 01
		37	236	Joseph Granger, collections, 1869.....	81 20
		38	237	Shanahan & McLogan, collections, 1875....	171 23
		39	238	Daniel Sullivan, No. 2, collections, 1875....	77 78
March	6	40	278	August Zander, collections, 1876.....	31 69
		41	278	August Zander, collections, 1876.....	21 99
		42	279	Daniel Sullivan, No. 1, collections, 1876....	51 44
		43	279	Daniel Sullivan, No. 1, collections, 1876....	49 49
		44	280	Wagner & Dettloff, R. Watson, assignee, collections, 1876.....	323 94
		45	281	Ferdinand Porath, collections, 1876.....	5 00
		46	281	Ferdinand Porath, collections, 1876.....	13 52
		47	282	J. & J. Sullivan, collections, 1876.....	3 56
		48	283	John Sullivan, collections, 1876.....	48 84
		49	284	B. Youngblood, collections, 1876.....	34 79
		50	285	Jeremiah Connor, collections, 1876.....	18 46
		51	286	Chas. Reinfeldt, R. H. Hall, assignee, collections, 1876.....	26 27
		52	287	John Sullivan, J. G. Dickinson, assignee, collections, 1876.....	280 88
13	53	322		Uridge & Bristow, collections, 1876.....	11 58
	54	323		Chas. Reinfeldt, R. H. Hall, assignee, collections, 1876.....	35 63
	55	324		B. Youngblood, collections, 1876.....	40 12
	56	325		Wagner & Dettloff, Anton Dettloff, assignee, collections, 1876.....	50 84
	57	326		Jeremiah Connor, collections, 1876.....	18 46
	58	327		Ferdinand Porath, collections, 1876.....	4 49
20	59	397		Henry Horn, John Greusel, assignee, collections, 1876.....	35 12
	60	398		Wagner & Dettloff, Anton Dettloff, assignee, collections, 1876.....	34 55
	61	399		Ferdinand Porath, collections, 1876.....	32 11
	62	400		Daniel Sullivan, No. 1, collections, 1876....	83 94
	63	401		Chas. Reinfeldt, R. H. Hall, assignee, collections, 1876.....	54 85
	64	402		Wagner & Dettloff, Robt. Watson, assignee, collections, 1876.....	30 54
	65	403		Jeremiah Connor, collections, 1876.....	17 64
27	66	440		Wagner & Dettloff, Anton Dettloff, assignee, collections, 1876.....	232 92
	67	441		Wagner & Dettloff, John Wagner, assignee, collections, 1876.....	50 83
	68	442		Wagner & Dettloff, Robert Watson, assignee, collections, 1876.....	42 64
	69	443		B. Youngblood, collections, 1876.....	32 40
	70	444		Uridge & Bristow, collections, 1876.....	13 61

Date.	Voucher.	Warrant.	
Mar. 27	71	445	Chas. Reinfeldt, R. H. Hall, assignee, collections, 1876.....
			\$25 12
	72	446	Henry Horn, John Greusel, assignee, collections, 1876.....
			15 04
	73	447	August Zander, collections, 1876.....
			46 19
	74	448	Ferdinand Porath, collections, 1876.....
			45 58
	75	449	Jeremiah Connor, collections, 1876.....
			36 92
	76	450	Daniel Sullivan, No. 1, collections, 1876....
			86 10
	77	451	John Sullivan, collections, 1876.....
			45 91
April 3	78	485	John Sullivan, G. Dickinson, assignee, collections, 1876.....
			12 44
	79	486	John Sullivan, collections, 1876.....
			22 04
	80	487	Daniel Sullivan, No. 1, collections, 1876....
			86 41
	81	488	Wagner & Dettloff, Anton Dettloff, assignee, collections, 1876.....
			51 99
	82	488	Ferdinand Porath, collections, 1876.....
			77 02
	83	490	Jeremiah Connor, collections, 1876.....
			11 49
	84	491	Chas. Reinfeldt, R. H. Hall, assignee, collections, 1876.....
			61 89
	85	492	Wagner & Dettloff, R. Watson, assignee, collections, 1876.....
			94 86
	86	493	John Sullivan, collections, 1876.....
			47 92
	87	494	B. Youngblood, collections, 1876.....
			11 41
	88	495	August Zander, collections, 1876.....
			55 84
	89	496	Henry Horn, J. Greusel, assignee, collections, 1876.....
			32 44
10	90	542	Elwart & Mazain, collections, 1876.....
			45 28
	91	543	Uridge & Bristow, collections, 1876.....
			13 61
	92	544	Chas. Reinfeldt, R. H. Hall, assignee, collections, 1876.....
			29 81
	93	545	Chas. Reinfeldt, R. H. Hall, assignee, collections, 1876.....
			36 20
	94	546	Ferdinand Porath, collections, 1876.....
			11 29
	95	547	John Sullivan, collections, 1876.....
			39 03
	96	548	John Sullivan, J. D. Dickinson, assignee, collections, 1876.....
			24 88
	97	549	B. Youngblood, collections, 1876.....
			48 58
	98	550	Daniel Sullivan, No. 1, collections, 1876.....
			40 06
	99	551	Jeremiah Connor, collections, 1876.....
			27 69
17	100	588	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876.....
			51 19
	101	589	Ferdinand Porath, collections, 1876.....
			52 83
	102	590	John Sullivan, collections, 1876.....
			19 52
24	103	637	Daniel Sullivan, No. 1, collections, 1876....
			23 24
	104	638	Uridge & Bristow, collections, 1876.....
			18 86
	105	639	Ferdinand Porath, collections, 1876.....
			23 60
	106	640	August Zander, collections, 1876.....
			8 36
	107	641	B. Youngblood, collections, 1876.....
			104 35
	108	642	Wagner & Dettloff, A. Dettloff, assignee, collections, 1876.....
			14 87

Date	Voucher.	Warrant.	
May	1 109	683	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876..... \$88 97
	110	684	Daniel Sullivan, No. 2, collections, 1876..... 21 23
	111	685	B. Youngblood, collections, 1876..... 16 30
	8 112	764	Daniel Sullivan, No. 1, collections, 1876..... 292 53
	113	765	John Sullivan, collections, 1876..... 89 15
	114	766	Ferdinand Porath, collections, 1876..... 11 32
	115	767	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876..... 63 07
	116	768	Wagner & Dettloff, A. Dettloff, assignee, collections, 1876..... 18 68
15	117	804	Uridge & Bristow, collections, 1876..... 26 15
	118	825	Daniel Sullivan, No. 1, collections, 1876..... 12 02
	119	826	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876..... 12 09
	120	827	Wagner & Dettloff, R. Watson, assignee, collections, 1876..... 32 16
	121	828	Wagner & Dettloff, A. Dettloff, assignee, collections, 1876..... 2 62
	122	830	August Zander, collections, 1876..... 19 66
	123	831	Ferdinand Porath, collections, 1876..... 61 91
22	124	894	August Zander, collections, 1876..... 25 10
	125	895	Wagner & Dettloff, R. Watson, assignee, collections, 1876..... 15 28
	126	896	Jeremiah Connor, collections, 1876..... 11 43
	127	897	Ferdinand Porath, collections, 1876..... 7 00
29	128	951	D. Sullivan, No. 1, collections, 1876..... 30 22
	129	953	August Zander, collections, 1876..... 62 65
	130	954	Henry Horn, J. Greusel, assignee, collections, 1876..... 47 77
June	5 131	1025	Elwart & Mazain, collections, 1875..... 8 52
	132	1026	Daniel Sullivan, No. 1, collections, 1876..... 12 11
	133	1027	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876..... 28 50
	134	1028	B. Youngblood, J. Wagner, assignee, collections, 1876..... 127 16
	135	1029	Wagner & Dettloff, A. Dettloff, assignee, collections, 1876..... 32 24
	136	1030	Wagner & Dettloff, A. Dettloff, assignee, collections, 1877..... 3 33
	137	1031	A. & J. Dettloff, collections, 1877..... 19 90
	138	1032	August Zander, collections, 1877..... 31 39
12	139	1094	B. Youngblood, John Wagner, assignee, collections, 1876..... 48 60
	140	1095	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876..... 26 64
	141	1096	Ostrowski & Hildebrandt, collections, 1877..... 12 90
	142	1097	A. & J. Dettloff, collections, 1877..... 16 49
	143	1098	Wagner & Dettloff, A. Dettloff, assignee, collections, 1877..... 1 30
19	144	1162	Ferdinand Porath, collections, 1876..... 30 15

Date.	Voucher.	Warrant.	
June 19	145	1163	Wagner & Dettloff, A. Dettloff, assignee, collections, 1876.....
	146	1164	B. Youngblood, J. Wagner, assignee, collections, 1876.....
	147	1165	August Zander, collections, 1876.....
	148	1166	Ostrowski & Hildebrandt, collections, 1877.....
	149	1167	August Zander, collections, 1877.....
	150	1168	Ferdinand Porath, collections, 1877.....
	151	1169	A. & J. Dettloff, collections, 1877.....
	152	1170	Jeremiah Connor, collections, 1877.....
26	153	1225	Daniel Shanahan, No. 1, collections, 1872.....
	154	1226	P. & D. Shanahan, collections, 1872.....
	155	1227	D. Sullivan, No. 1, collections, 1875.....
	156	1228	M. & W. H. Henderson, collections, 1875.....
	157	1229	August Zander, collections, 1876.....
	158	1230	Daniel Sullivan, No. 1, collections, 1876.....
	159	1231	Ferdinand Porath, collections, 1876.....
	160	1232	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876.....
	161	1233	August Zander, collections, 1877.....
	162	1234	A. & J. Dettloff, collections, 1877.....
	163	1235	Ostrowski & Hildebrandt, collections, 1877.....
July 2	164	1310	Daniel Sullivan, No. 1, collections, 1876.....
	165	1311	Ferdinand Porath, collections, 1876.....
	166	1312	Wagner & Dettloff, A. Dettloff, assignee, collections, 1876.....
	167	1313	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876.....
3	168	1314	Ferdinand Porath, collections, 1877.....
	169	1315	August Zander, collections, 1877.....
	170	1316	Ostrowski & Hildebrandt, collections, 1877.....
10	171	1375	Charles Reinfeldt, R. H. Hall, assignee, collections, 1876.....
	172	1376	August Zander, collections, 1876.....
	173	1377	Jeremiah Connor, collections, 1877.....
	174	1378	Ferdinand Porath, collections, 1877.....
	175	1379	Ostrowski & Hildebrandt, collections, 1877.....
	176	1380	A. & J. Dettloff, collections, 1877.....
17	177	1440	Daniel Sullivan, No. 1, collections, 1876.....
	178	1441	Ferdinand Porath, collections, 1877.....
	179	1442	A. & J. Dettloff, collections, 1877.....
	180	1443	August Zander, collections, 1877.....
	181	1444	Charles Reinfeldt, collections, 1877.....
	182	1445	Ostrowski & Hildebrandt, collections, 1877.....
24	183	1499	Daniel Sullivan, No. 1, collections, 1875.....
	184	1500	Daniel Sullivan, No. 1, collections, 1876.....
	185	1501	Charles Reinfeldt, collections, 1877.....
	186	1502	Ferdinand Porath, collections, 1877.....
	187	1503	Ostrowski & Hildebrandt, collections, 1877.....
	188	1504	A. & J. Dettloff, collections, 1877.....
31	189	1573	A. & J. Dettloff, collections, 1877.....

Date.	Voucher.	Warrant.	
July	31	190	1575 August Zander, collections, 1877.....
		191	1574 Ostrowski & Hildebrandt, collections, 1877,
		192	1576 Charles Reinfeldt, collections, 1877.....
		193	1577 Ferdinand Porath, collections, 1877.....
Aug.	7	194	1658 Ostrowski & Hildebrandt, collections, 1877,
		195	1659 August Zander, collections, 1877.....
		196	1660 A. & J. Dettloff, collections, 1877.....
		197	1661 Daniel Sullivan, No. 1, collections, 1875.....
	14	198	1742 Charles Reinfeldt, R. H. Hall, assignee,
			collections, 1876.....
		199	1743 Ostrowski & Hildebrandt, collections, 1877,
		200	1744 Ferdinand Porath, collections, 1877.....
	21	201	1799 Shanahan & McLogan, collections, 1875....
		202	1800 Daniel Sullivan, No. 1, collections, 1876....
		203	1801 Ostrowski & Hildebrandt, collections, 1877,
		204	1802 Ferdinand Porath, collections, 1877.....
		205	1803 John Sullivan, collections, 1876.....
	24	206	1885 Ostrowski & Hildebrandt, collections, 1877,
		207	1886 Ferdinand Porath, collections, 1877.....
		208	1887 J. & J. Sullivan, collections, 1876.....
	28	209	1888 Charles Reinfeldt, R. H. Hall, assignee,
			collections, 1876.....
Sept.	4	210	1963 John Sullivan, collections, 1876.....
		211	1964 Ferdinand Porath, collections, 1877.....
		212	1965 M. & W. H. Henderson, collections, 1877...
		213	1966 Charles Reinfeldt, H. Michelson, assignee,
			collections, 1877.....
		214	1967 Ostrowski & Hildebrandt, collections, 1877,
	11	215	2043 Wagner & Dettloff, R. Watson, assignee,
			collections, 1876.....
		216	2044 Ostrowski & Hildebrandt, collections, 1877,
		217	2045 Ferdinand Porath, collections, 1877.....
		218	2046 M. & W. H. Henderson, collections, 1877...
	18	219	2105 Ferdinand Porath, collections, 1877.....
		220	2106 A. & J. Stewart, collections, 1873.....
		221	2107 Ostrowski & Hildebrandt, collections, 1877,
		222	2108 M. & W. H. Henderson, collections, 1877...
	25	223	2169 M. & W. H. Henderson, collections, 1877...
		224	2170 Ostrowski & Hildebrandt, collections, 1877,
		225	2171 Ferdinand Porath, collections, 1877.....
Oct.	2	226	2227 Daniel Sullivan, No. 1, collections, 1875....
		227	2228 Charles Reinfeldt, R. H. Hall, assignee,
			collections, 1876.....
		228	2229 Ferdinand Porath, collections, 1877.....
		229	2230 Ostrowski & Hildebrandt, collections, 1877,
		230	2231 F. Elwart, C. Clippert, assignee, collec-
			tions, 1877.....
	9	231	2303 Charles Reinfeldt, R. H. Hall, assignee,
			collections, 1876.....
		232	2304 M. & W. H. Henderson, collections, 1877...

Date.	Voucher.	Warrant.	
Oct.	9	233	2305 Frank Elwart, C. Clippert, assignee, collections, 1877.....
		234	2306 Ostrowski & Hildebrandt, collections, 1877,.....
		236	2307 Ferdinand Porath, collections, 1877.....
	16	237	2373 P. & D. Shanahan, collections, 1872.....
		238	2374 Charles Reinfeldt, H. Michelson, assignee, collections, 1877.....
		239	2375 F. Elwart, C. Clippert, assignee, collections, 1877.....
		240	2376 Ostrowski & Hildebrandt, collections, 1877,.....
		241	2377 Ferdinand Porath, collections, 1877.....
	23	242	2440 Daniel Sullivan, No. 1, collections, 1876....
		243	2441 Charles Reinfeldt, H. Michelson, assignee, collections, 1877.....
		244	2442 F. Elwart, C. Clippert, assignee, collections, 1877.....
		245	2443 M. & W. H. Henderson, collections, 1877....
		246	2444 Ostrowski & Hildebrandt, collections, 1877,.....
	30	247	2501 Ostrowski & Hildebrandt, collections, 1877,.....
		248	2502 Ferdinand Porath, collections, 1877.....
Nov.	9	249	2560 Wagner & Dettloff, A. Dettloff, assignee, collections, 1876.....
		250	2561 John Sullivan, collections, 1876,.....
		251	2563 August Zander, collections, 1877.....
		252	2564 Ostrowski & Hildebrandt, collections, 1877,.....
		253	2565 Ferdinand Porath, collections, 1877.....
	13	254	2635 Ostrowski & Hildebrandt, collections, 1877,.....
		255	2636 Ferdinand Porath, collections, 1877.....
	20	256	2685 Wagner & Dettloff, J. Wagner, assignee, collections, 1876.....
		257	2686 F. Elwart, C. Clippert, assignee, collections, 1877.....
		258	2687 Ferdinand Porath, collections, 1877.....
		259	2688 Ostrowski & Hildebrandt, collections, 1877,.....
	27	260	2733 D. Sullivan, No. 1, collections, 1876.....
		261	2734 M. & W. H. Henderson, collections, 1877....
		262	2735 Ostrowski & Hildebrandt, collections, 1877,.....
		263	2736 Ferdinand Porath, collections, 1877.....
Dec.	4	264	2806 A. & J. Dettloff, collections, 1877.....
		265	2807 Charles Reinfeldt, H. Michelson, assignee, collections, 1877.....
		266	2808 Ostrowski & Hildebrandt, collections, 1877,.....
		267	2809 Ferdinand Porath, collections, 1877.....
		268	2810 M. & W. H. Henderson, collections, 1877....
	11	269	2867 Elwart & Mazain, collections, 1875.....
		270	2868 F. Elwart, C. Clippert, assignee, collections, 1877.....
		271	2869 Anton Dettloff, collections, 1877.....
		272	2870 Ferdinand Porath, collections, 1877.....
		273	2871 Ostrowski & Hildebrandt, collections, 1877,.....
		274	2914 E. R. Kearsley, collections, 1876.....
18	275	2945	Ostrowski & Hildebrandt, collections, 1877,.....

		Date.	Voucher.	Warrant.		
Dec.	19	276	2946	Ferdinand Porath, collections, 1877.....	\$37 81	
	28	277	3006	Wagner & Dettloff, A. Dettloff, assignee, collections, 1876.....	13 09	
		278	3007	John Sullivan, collections, 1876.....	8 86	
		279	3008	Ferdinand Porath, collections, 1877.....	55 58	
		280	3009	Ostrowski & Hildebrandt, collections, 1877.....	13 13	
		281	3010	A. Dettloff, collections, 1877.....	74 80	
1878.						
Jan.	4	282	3063	Ostrowski & Hildebrandt, collections, 1877.....	187 88	
		283	3064	Ferdinand Porath, collections, 1877.....	130 90	
		284	3065	Jeremiah Connor, collections, 1877.....	7 93	
		285	3066	A. Dettloff, collections, 1877.....	18 00	
		286	3067	August Zander, collections, 1877.....	15 42	
		287	3068	John Wagner, collections, 1877.....	10 65	
		288	3068	John Wagner, collections, 1877.....	88 00	
	8	289	3123	John Wagner, collections, 1877.....	44 19	
		290	3124	Ostrowski & Hildebrandt, collections, 1877.....	142 60	
		291	3125	Ferdinand Porath, collections, 1877.....	42 81	
		292	3126	Jeremiah Connor, collections, 1877.....	7 93	
	15	293	3165	Wagner & Dettloff, J. Wagner, assignee, collections, 1876.....	17 60	
		294	3166	John Wagner, collections, 1877.....	11 55	
		295	3167	Ferdinand Porath, collections, 1877.....	36 22	
		296	3168	Jeremiah Connor, collections, 1877.....	13 28	
		297	3169	Ostrowski & Hildebrandt, collections, 1877.....	51 58	
	22	298	3220	Daniel Sullivan, No. 1, collections, 1876.....	33 79	
		299	3221	John Wagner, collections, 1877.....	47 56	
		300	3222	Jeremiah Connor, collections, 1877.....	17 68	
		301	3223	Ferdinand Porath, collections, 1877.....	43 92	
		302	3224	Ostrowski & Hildebrandt, collections, 1877.....	35 09	
					<hr/>	\$15,647 22

## LATERAL SEWER FUND—CONDENSED.

Joseph Granger, collections, 1889.....	\$81 20
P. & D. Shanahan, collections, 1872.....	63 80
D. Shanahan, No. 1, collections, 1872.....	73 69
A. & J. Stewart, collections, 1873.....	17 02
James Cuddy, collections, 1875.....	350 63
Shanahan & McLogan, collections, 1875.....	172 00
D. Sullivan, No. 2, collections, 1875.....	77 78
Elwart & Mazain, collections, 1875.....	82 08
D. Sullivan, No. 1, collections, 1875.....	169 62

M. Henderson, collections, 1875.....	\$35 88	
D. Sullivan, No. 2, collections, 1876.....	1,247 27	
J. & J. Sullivan, collections, 1876.....	18 65	
M. & W. H. Henderson, collections, 1876.....	75 83	
Ferdinand Porath, collections, 1876.....	637 71	
C. Reinfeldt, R. H. Hall, assignee, collections, 1876.....	1,361 81	
Wagner & Dettloff, collections, 1876.....	\$95 23	
Wagner & Dettloff, A. Dettloff, assignee, collections, 1876.....	553 47	
Wagner & Dettloff, R. Watson, assignee, collections, 1876.....	574 61	
Wagner & Dettloff, J. Wagner, assignee, collections, 1876.....	108 39	
	<hr/>	1,326 70
John Sullivan, collections, 1876.....	\$402 86	
John Sullivan, J. G. Dickinson, assignee, collections, 1876.....	268 15	
	<hr/>	671 01
B. Youngblood, collections, 1876.....	\$713 25	
B. Youngblood, J. Wagner, assignee, collections, 1876.....	193 15	
	<hr/>	906 40
Uridge & Bristow, collections, 1876.....	185 25	
Jeremiah Connor, collections, 1876.....	160 55	
August Zander, collections, 1876.....	346 97	
E. R. Kearsley, collections, 1876.....	62 56	
H. Horn, J. Greusel, assignee, collections, 1876.....	190 37	
D. Sullivan, No. 2, collections, 1876.....	21 23	
Ostrowski & Hildebrandt, collections, 1877.....	3,512 06	
Ferdinand Porath, collections, 1877.....	1,922 67	
Wagner & Dettloff, collections of 1877.....	4 53	
Charles Reinfeldt, collections, 1877.....	\$270 97	
Charles Reinfeldt, H. Michelson, assignee, collections, 1877.....	108 81	
	<hr/>	374 78
F. Elwart, C. Clippert, assignee, collections, 1877.....	258 66	
M. & W. H. Henderson, collections, 1877.....	288 29	
A. & J. Dettloff, collections, 1877.....	438 07	
J. Wagner, collections, 1877.....	146 95	
August Zander, collections, 1877.....	234 85	
Jeremiah Connor, collections, 1877.....	74 98	
Anton Dettloff, collections, 1877.....	120 92	
	<hr/>	\$15,647 22
		<hr/>
CR.		
By payments into Treasury.....		\$15,647 22
		<hr/>



## SPECIAL ASSESSMENTS.

## PLANK SIDEWALKS, 1860—H. DOTY, CONTRACTOR.

Date. Voucher. Warrant.					
1877.					
July	17	1	1450	Henry Doty, collections .....	\$2 29
				To balance January 31st, 1878 .....	2 66
					<u>\$4 95</u>
					CR.
By collections .....					<u>\$4 95</u>

## PLANK SIDEWALKS, 1870—M. HENDERSON, CONTRACTOR.

Date. Voucher. Warrant.					
1877.					
July	5	1	1049	M. Henderson, collections .....	\$17 56
					<u>\$17 56</u>
					CR.
By collections .....					<u>\$17 56</u>

## PLANK SIDEWALKS, 1873—CHAS. KNAUPE, CONTRACTOR.

Date. Voucher. Warrant.					
1877.					
Dec.	28	1	8014	Charles Knaupe, collections .....	\$23 41
					<u>\$23 41</u>
					CR.
By collections .....					<u>\$23 41</u>

## PLANK SIDEWALKS, 1873—AUGUST KOLB, CONTRACTOR.

Date. Voucher. Warrant.

1877.

Dec.	28	1	3015	August Kolb, collections . . . . .	\$78 45
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CR.

By collections . . . . .	\$78 45
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## PLANK SIDEWALKS, 1874—CHAS. KNAUPE, CONTRACTOR.

Date. Voucher. Warrant.

1877.

Feb.	27	1	242	Charles Knaupe, collections . . . . .	\$9 95
Apr.	10	2	559	Charles Knaupe, collections . . . . .	12 52

\$22 47
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CR.

By collections . . . . .	\$22 47
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## PLANK SIDEWALKS, 1875—D. B. LANGFORD, CONTRACTOR.

Date. Voucher. Warrant.

1877.

Feb.	27	1	240	D. B. Langford, collections . . . . .	\$189 08
Oct.	9	2	2311	D. B. Langford, collections . . . . .	43 35

\$182 43
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CR.

By collections . . . . .	\$182 43
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### PLANK SIDEWALKS, 1875—J. D. STANDISH, CONTRACTOR.

Date. Voucher. Warrant.					
1877.					
Feb.	1	1	44	J. D. Standish, collections .....	\$48 15
	27	2	241	J. D. Standish, collections ..	3 13
Apr.	10	3	557	J. D. Standish, collections .....	28 05
June	12	4	1121	J. D. Standish, collections .....	9 73
Aug.	14	5	1748	J. D. Standish, collections .....	8 19
	21	6	1810	J. D. Standish, collections .....	64 43
					<hr/>
					\$161 68
					<hr/>
					C'r.
By balance January 31st, 1877.....					\$48 15
Collections.....					113 53
					<hr/>
					\$161 68
					<hr/>

### PLANK SIDEWALKS, 1876—D. B. LANGFORD, CONTRACTOR.

Date. Voucher. Warrant.					
1877.					
Feb.	1	1	43	D. B. Langford, collections .....	\$14 58
	6	2	94	D. B. Langford, collections .....	26 91
		3	94	D. B. Langford, collections .....	9 45
	13	4	151	D. B. Langford, collections .....	156 71
	20	5	202	D. B. Langford, collections .....	11 82
Mar.	13	6	331	D. B. Langford, collections .....	8 10
	20	7	385	D. B. Langford, collections .....	26 71
	27	8	453	D. B. Langford, collections .....	49 93
Apr.	3	9	590	D. B. Langford, collections .....	9 58
	10	10	558	D. B. Langford, collections .....	13 50
	17	11	597	D. B. Langford, collections ..	34 30
May	8	12	780	D. B. Langford, collections .....	8 10
	22	13	913	D. B. Langford, collections .....	30 78
	29	14	970	D. B. Langford, collections .....	10 80
June	26	15	1253	D. B. Langford, collections .....	8 76
July	3	16	1320	D. B. Langford, collections .....	32 95
	31	17	1580	D. B. Langford, collections .....	17 79

Date.	Voucher.	Warrant.		
Sept. 4	18	1973	D. B. Langford, collections .....	\$11 99
Oct. 2	19	2239	D. B. Langford, collections .....	12 17
	16	2386	D. B. Langford, collections .....	21 71
Nov. 9	21	2574	D. B. Langford, collections .....	21 12
	27	2748	D. B. Langford, collections .....	12 08
				<hr/>
				\$539 87
				C.R.
By balance, January 31st, 1877.....				\$41 52
collections.....				498 35
				<hr/>
				\$539 87

## PLANK SIDEWALKS, 1876—HENRY MAY, CONTRACTOR.

Date.	Voucher.	Warrant.			
1877.					
Feb.	6	1	50	Henry May, collections .....	\$10 43
	13	2	138	Henry May, collections .....	41 60
Mar.	6	3	296	Henry May, collections .....	31 99
	27	4	455	Henry May, collections .....	9 60
Apr.	3	5	501	Henry May, collections .....	46 20
May	8	6	782	Henry May, collections .....	21 12
	22	7	914	Henry May, collections .....	22 40
June	26	8	1254	Henry May, collections .....	35 52
July	3	9	1321	Henry May, collections .....	240 56
	24	10	1510	Henry May, collections .....	16 56
Aug.	14	11	1749	Henry May, collections .....	10 00
	28	12	1918	Henry May, collections .....	3 94
Oct.	30	13	2510	Henry May, collections .....	11 49
					<hr/>
					\$501 41
					<hr/>
					C.R.
By balance, January 31st, 1877.....					\$10 42
By collections.....					490 99
					<hr/>
					\$501 41

## PLANK SIDEWALKS, 1877—JOSEPH MCCOLLUM, CONTRACTOR.

Date.	Voucher.	Warrant.		
1877.				
Aug. 14	1	1750	Joseph McCollum, collections.....	\$22 50
Sept. 11	2	2053	Joseph McCollum, collections.....	10 00
Oct. 23	3	2451	Joseph McCollum, collections.....	129 00

Date.	Voucher.	Warrant.		
Nov. 18	4	2645	Joseph McCollum, collections.....	\$7 50
	20	2697	Joseph McCollum, collections.....	12 50
Dec. 18	6	2956	Joseph McCollum, collections.....	60 71
1878.				
Jan. 4	7	3077	Joseph McCollum, collections.....	16 50
	22	3233	Joseph McCollum, collections.....	22 75
To balance January 31st, 1878.....				<u>\$281 46</u>
				37 00
				<u>\$318 46</u>
				CR.
By collections.....				<u>\$318 46</u>

### PLANK SIDEWALKS, 1877—HENRY ROEDER, CONTRACTOR.

Date.	Voucher.	Warrant.		
1877.				
Dec. 18	1	2957	Henry Roeder, collections.....	\$16 17
To balance January 31st, 1878.....				16 96
				<u>\$33 13</u>
				CR.
By collections.....				<u>\$33 13</u>

### STONE SIDEWALKS, 1876—BATCHELDER, COOK & Co., CONTRACTORS.

Date.	Voucher.	Warrant.		
1877.				
Mar. 13	1	332	Batchelder, Cook & Co., collections.....	\$157 76
				<u>\$157 76</u>
				CR.
By collections.....				<u>\$157 76</u>

STONE SIDEWALKS, 1876—COBB, WALLACE & LAW, CON-  
TRACTORS.

Date. Voucher. Warrant.

1877.

Apr.	3	1	502	Cobb, Wallace & Law, collections.....	\$96 00	
June	26	2	1255	Cobb, Wallace & Law, collections.....	225 28	
July	3	3	1322	Cobb, Wallace & Law, collections.....	514 56	
						<u>\$835 84</u>
					CR.	
By collections.....						<u>\$835 84</u>

STONE SIDEWALKS, 1876—COBB, WALLACE & LAW, CON-  
TRACTORS.

Date. Voucher. Warrant.

1877.

Sept.	11	1	2062	Cobb, Wallace & Law, collections.....	\$156 00	
Oct.	9	2	2312	Cobb, Wallace & Law, collections.....	39 00	
Dec.	4	3	2830	Cobb, Wallace & Law, collections.....	187 20	
						<u>\$382 20</u>
					CR.	
By collections.....						<u>\$382 20</u>

PAVING ALLEYS, 1875—A. & J. STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Feb.	13	1	152	A. & J. Stewart, collections.....	\$54 06	
Mar.	13	2	333	A. & J. Stewart, collections.....	60 85	
						<u>\$114 91</u>
					CR.	
By collections.....						<u>\$114 91</u>

## PAVING ALLEYS, 1876—EUGENE ROBINSON, CONTRACTOR.

Date. Voucher. Warrant.

1877.

Feb.	27	1	243	Eugene Robinson, collections.....	\$108 56	
Apr.	10	2	560	Eugene Robinson, collections.....	54 28	
					<hr/>	\$102 84
					C'r.	
By collections.....						\$162 84

## PAVING ALLEYS, 1876—JAS. DEFOE &amp; Co., CONTRACTORS.

Date. Voucher. Warrant.

1877.

May	8	1	781	James Defoe & Co., Wm. G. Thompson, assignee, collections.....	\$22 06	
					<hr/>	
					C'r.	
By collections.....						\$22 06

## PAVING ALLEYS, 1877—JAMES MCGONEGAL, CONTRACTOR.

Date. Voucher. Warrant.

1877.

Nov.	27	1	2749	James McGonegal, collections.....	\$55 37	
Dec.	11	2	2879	James McGonegal, collections.....	67 38	
		3	2880	James McGonegal, collections.....	16 63	
		4	2880	James McGonegal, collections.....	44 54	
	21	5	2955	James McGonegal, collections.....	144 67	
	28	6	3016	James McGonegal, collections.....	474 17	
					<hr/>	\$802 76
					C'r.	
By collections.....						\$802 76

## PAVING ALLEYS, 1877—LEDBETER &amp; STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Dec.	4	1	2819	Ledbeter & Stewart, collections.....	\$5 88
	11	2	2881	Ledbeter & Stewart, collections.....	42 23
		3	2881	Ledbeter & Stewart, collections.....	47 65
	28	4	3017	Ledbeter & Stewart, collections. ....	11 74
1878.					
Jan.	4	5	3076	Ledbeter & Stewart, collections.....	5 87
	8	6	3133	Ledbeter & Stewart, collections.....	5 88
	15	7	3175	Ledbeter & Stewart, collections.....	148 62

\$267 87To Balance, January 31st, 1878.....10 28\$278 15

C'r.

By collections.....\$278 15PAVING MONTCALM STREET, 1874—E. ROBINSON & Co.,  
CONTRACTORS.

Date. Voucher. Warrant.

1877.

June	5	1	1050	Eugene Robinson & Co., collections.....	\$28 53
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C'r.

By collections.....\$28 53PAVING CLINTON AVENUE, 1875—V. HILSENDEGEN, CON-  
TRACTOR.

Date. Voucher. Warrant.

1877.

Mar.	13	1	334	V. Hilsendegen, E. Robinson, assignee, collections....	\$77 39
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C'r.

By collections.....\$77 39



PAVING BEAUBIEN STREET, 1875—EUGENE ROBINSON,  
CONTRACTOR.

Date. Voucher. Warrant.

1877.

Mar.	18	1	335	Eugene Robinson, collections.....	\$33 57
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CR.

By collections.....	\$33 57
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PAVING ST. AUBIN AVENUE, 1875—MCGONEGAL & DUNN,  
CONTRACTORS.

Date. Voucher. Warrant.

1877.

Feb.	1	1	39	McGonegal & Dunn, collections.....	\$54 28
Dec.	28	2	3019	McGonegal & Dunn, collections.....	33 84
					\$88 12

CR.

By Balance, January 31st, 1877.....	\$54 28
By collections.....	33 84
	\$88 12

PAVING EIGHTEENTH STREET, 1875—EUGENE ROBINSON,  
CONTRACTOR.

Date. Voucher. Warrant.

1877.

Oct.	30	1	2511	Eugene Robinson, collections.....	\$42 37
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CR.

By collections.....	\$42 37
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PAVING EIGHTEENTH-AND-A-HALF STREET, 1875—  
EUGENE ROBINSON.

Date. Voucher. Warrant.

1877.

Apr. 10	1	564	Eugene Robinson, collections.....	\$52 88	
				CR.	
By collections.....				\$52 88	

PAVING ALEXANDRINE AVENUE, 1876—LEDBETER &  
STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Apr. 3	1	508	Ledbeter & Stewart, collections.....	\$39 74	
June 26	2	1256	Ledbeter & Stewart, collections.....	51 22	
					\$90 96
				CR.	
By collections.....				\$90 96	

PAVING CONGRESS STREET, 1876—DUBOIS & DUNN, CON-  
TRACTORS.

Date. Voucher. Warrant.

1877.

Feb. 6	1	97	Dubois & Dunn, collections.....	\$48 12	
Mar. 6	2	299	Dubois & Dunn, collections.....	29 35	
	27	3	461	Dubois & Dunn, collections.....	13 37
Apr. 3	4	515	Dubois & Dunn, collections.....	107 27	
May 1	5	692	Dubois & Dunn, collections.....	27 85	
Aug. 14	6	1757	Dubois & Dunn, collections.....	26 80	
Oct. 16	7	2387	Dubois & Dunn, collections.....	28 14	
					\$279 90
				CR.	
By Balance, January 31st, 1877.....				\$48 12	
By collections.....				231 78	
					\$279 90

### PAVING GRAND RIVER AVENUE, 1876—KAISER, SCHNEIDER & PATRICK, CONTRACTORS.

Date. Voucher. Warrant.

1877,

Feb.	13	1	153	Kaiser & Schneider, collections.....	\$21 10
	20	2	203	Kaiser & Schneider, collections.....	13 91
Mar.	27	3	456	Kaiser & Schneider, collections.....	66 43
Apr.	3	4	504	Kaiser & Schneider, collections.....	7 41
	10	5	561	Kaiser & Schneider, collections.....	20 99
	17	6	598	Kaiser & Schneider, collections.....	11 94
May	1	7	691	Kaiser & Schneider, collections.....	37 40
June	5	8	1051	Kaiser & Schneider, collections.....	4 20
	26	9	1257	Kaiser & Schneider, collections.....	14 35
July	3	10	1323	Kaiser & Schneider, collections.....	62 97
					<u>\$260 70</u>

Cr.

By collections..... \$260 70

### PAVING JONES STREET, 1876—DUBOIS & DUNN, CON- TRACTORS.

Date. Voucher. Warrant.

1877

Feb.	13	1	154	Dubois & Dunn, collections.....	\$60 39
Mar.	27	2	457	Dubois & Dunn, collections.....	20 67
Apr.	3	3	505	Dubois & Dunn, collections.....	47 37
	17	4	599	Dubois & Dunn, collections.....	15 76
May	29	5	971	Dubois & Dunn, collections.....	50 19
					<u>\$194 40</u>

Cr.

By collections..... \$194 40

**PAVING BRAINARD STREET, 1876—MARK FLANIGAN,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Apr.	3	1	506	Mark Flanigan, P. & R. Huyser, assignee, collections..	\$30 58
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Cr.

By collections.....		\$30 58
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**PAVING FARRAR STREET, 1876—EUGENE ROBINSON,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Apr.	3	1	507	Eugene Robinson, collections.....	\$54 49
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Cr.

By collections.....		\$54 49
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**PAVING GRATIOT AVENUE, 1876—EUGENE ROBINSON,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Apr.	3	1	508	Eugene Robinson, collections.....	\$30 60
	10	2	502	Eugene Robinson, collections.....	61 97
					\$92 57

Cr.

By collections.....		\$92 57
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### PAVING FIFTH STREET, 1876—JAMES MCGONEGAL, CON- TRACTOR.

Date. Voucher. Warrant.

1877.

Apr.	10	1	568	James McGonegal, collections.....	\$29 70	
	17	2	600	James McGonegal, collections.....	18 41	
May	15	3	860	James McGonegal, collections.....	10 18	
June	12	4	1122	James McGonegal, collections.....	37 62	
Oct.	16	5	2298	James McGonegal, collections.....	16 48	
Dec.	18	6	3018	James McGonegal, collections.....	16 66	
						\$117 06
					Cr.	
By collections.....						\$117 06

### PAVING HASTINGS STREET, 1876—DUBOIS & DUNN, CON- TRACTORS.

Date. Voucher. Warrant.

1877.

Feb.	1	1	40	Dubois & Dunn, collections.....	\$10 86	
Apr.	3	2	509	Dubois & Dunn, collections.....	46 84	
	10	3	565	Dubois & Dunn, collections.....	76 66	
						\$134 36
					Cr.	
By Balance January 31st, 1877.....					\$10 86	
By collections.....					123 50	\$134 36

### PAVING FOURTH STREET, 1876—EUGENE ROBINSON, CON- TRACTOR.

Date. Voucher. Warrant.

1877.

Mar.	27	1	459	Eugene Robinson, collections.....	\$36 74	
Apr.	10	2	567	Eugene Robinson, collections.....	215 88	
						\$252 62
					Cr.	
By collections.....						\$252 62

**PAVING GRISWOLD STREET, 1876—EUGENE ROBINSON,  
CONTRACTOR.**

Date. Voucher. Warrant.

1878.

Feb.	20	1	204	Eugene Robinson, collections.....	\$9 61
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CR.

By collections.....	\$9 61
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**PAVING BAKER STREET, 1876—MARK FLANIGAN, CON-  
TRACTOR.**

Date. Voucher. Warrant.

1877.

Mar.	18	1	338	Mark Flanigan, P. & R. Huyser, assignees, collections.....	\$48 32
	27	2	419	Mark Flanigan, P. & R. Huyser, assignees, collections.....	17 86
July	10	3	1395 *	Mark Flanigan, P. & R. Huyser, assignees, collections.....	25 86

CR.

By collections.....	\$87 04
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**PAVING THIRD AVENUE, 1876—LEDBETER & STEWART,  
CONTRACTORS.**

Date. Voucher. Warrant.

1877.

Feb.	6	1	95	Ledbeter & Stewart, collections .....	\$38 98
	13	2	155	Ledbeter & Stewart, collections .....	4 71
Apr.	3	3	513	Ledbeter & Stewart, collections .....	19 31
	10	4	588	Ledbeter & Stewart, collections .....	75 40

CR.

By collections.....	\$128 40
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PAVING FULTON STREET, 1876—LEDBETER & STEWART,  
CONTRACTORS.

Date. Voucher. Warrant,  
1877.

Mar.	6	1	297	Ledbeter & Stewart, collections .....	\$34 79	
Apr.	10	2	569	Ledbeter & Stewart, collections .....	19 86	
						<u>\$54 65</u>
					CR.	
By collections .....						<u>\$54 65</u>

PAVING WOODBRIDGE STREET, 1876—EUGENE ROBINSON,  
CONTRACTOR.

Date. Voucher. Warrant.  
1877.

Mar.	6	1	298	Eugene Robinson, collections .....	\$9 74	
Apr.	10	2	570	Eugene Robinson, collections .....	6 83	
						<u>\$16 57</u>
					CR.	
By collections .....						<u>\$16 57</u>

PAVING JOHN R STREET, 1876—KAISER, SCHNEIDER &  
PATRICK, CONTRACTORS.

Date. Voucher. Warrant.  
1877.

Mar.	27	1	430	Kaiser, Schneider & Patrick, collections .....	\$13 19	
May	8	2	784	Kaiser, Schneider & Patrick, collections .....	80 19	
June	5	3	1052	Kaiser, Schneider & Patrick, collections .....	30 66	
						<u>\$124 04</u>
					CR.	
By collections .....						<u>\$124 04</u>

PAVING TWELFTH STREET, 1876—LEDBETER & STEWART,  
CONTRACTORS.

Date. Voucher. Warrant.

1877.

Feb.	1	1	41	Ledbeter & Stewart, collections .....	\$67 55	
Apr.	3	2	510	Ledbeter & Stewart, collections .....	145 36	
	17	3	601	Ledbeter & Stewart, collections .....	3 67	
June	26	4	1258	Ledbeter & Stewart, collections .....	14 51	
						<u>\$231 09</u>

CR.

By Balance January 31st, 1877 .....	\$67 55	
By collections .....	163 54	
		<u>\$231 09</u>

PAVING COLUMBIA STREET, 1876—LEDBETER & STEWART,  
CONTRACTORS.

Date. Voucher. Warrant.

1877.

Feb.	1	1	42	Ledbeter & Stewart, collections .....	\$72 20	
Apr.	3	2	511	Ledbeter & Stewart, collections .....	20 84	
	10	3	566	Ledbeter & Stewart, collections ..	10 42	
	17	4	602	Ledbeter & Stewart, collections .....	41 68	
	24	5	915	Ledbeter & Stewart, collections .....	10 42	
June	26	6	1259	Ledbeter & Stewart, collections .....	31 26	
						<u>\$186 91</u>

CR.

By Balance January 31st, 1877 .....	\$72 20	
By collections .....	114 62	
		<u>\$186 91</u>



**PAVING RIOPELLE STREET, 1876—JAMES MCGONEGAL,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Mar.	18	1	337	James McGonegal, collections.....	\$5 45	
	20	2	386	James McGonegal, collections.....	15 93	
	27	3	458	James McGonegal, collections.....	8 87	
Apr.	3	4	512	James McGonegal, collections.....	43 29	
	24	5	665	James McGonegal, collections.....	45 21	
Oct.	23	6	2462	James McGonegal, collections.....	24 40	
					<u>          </u>	\$143 15
						<u>          </u>
					CR.	
By collections.....						<u>\$143 15</u>

**PAVING MACOMB AVENUE, 1876—KAISER, SCHNEIDER &  
PATRICK, CONTRACTORS.**

Date. Voucher. Warrant.

1877.

Apr.	3	1	514	Kaiser, Schneider & Patrick, collections.....	\$131 11	
	10	2	571	Kaiser, Schneider & Patrick, collections.....	37 46	
	17	3	603	Kaiser, Schneider & Patrick, collections.....	37 47	
					<u>          </u>	\$306 04
						<u>          </u>
					CR.	
By collections.....						<u>\$306 04</u>

**PAVING HASTINGS STREET, 1876—EUGENE ROBINSON,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Apr.	10	1	572	Eugene Robinson, collections.....	\$9 52	
					<u>          </u>	
						<u>          </u>
					CR.	
By collections.....						<u>\$9 52</u>

## PAVING CHENE STRET, 1876—DUBOIS &amp; DUNN, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Feb.	6	1	96	Dubois & Dunn, collections.....	\$10 00	
		2	96	Dubois & Dunn, collections.....	51 80	
	18	3	156	Dubois & Dunn, collections.....	92 21	
Mar.	13	4	336	Dubois & Dunn, collections.....	12 29	
	20	5	387	Dubois & Dunn, collections.....	29 59	
May	8	6	783	Dubois & Dunn, collections.....	14 12	
					<u>\$210 01</u>	

CR.

By Balance January 31st, 1877 .....	\$51 80	
By collections.....	<u>158 21</u>	<u>\$210 01</u>

## PAVING SELDEN STREET, 1876—WILLIAM J. NESBITT, CONTRACTOR.

Date. Voucher. Warrant.

1877.

Feb.	18	1	157	William J. Nesbitt, collections.....	\$4 61	
	20	2	406	William J. Nesbitt, collections.....	23 03	
					<u>\$27 64</u>	

CR.

By collections.....	<u>\$27 64</u>	
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## PAVING ROWLAND STREET, 1876—JAMES MCGONEGAL, CONTRACTOR.

Date. Voucher. Warrant.

1877.

Feb.	27	1	244	James McGonegal, collections.....	\$68 97	
Mar.	27	2	454	James McGonegal, collections.....	16 39	
					<u>\$85 36</u>	

CR.

By collections.....	<u>\$85 36</u>	
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# PAVING WARREN AVENUE, 1877—JOHN F. McMILLAN, CONTRACTOR.

Date. Voucher. Warrant.				
1877.				
June	26	1	1260 John F. McMillan, collections.....	\$29 88
July	2	2	1282 John F. McMillan, intersections.....	149 18
	20	3	1511 John F. McMillan, collections.....	343 48
	31	4	1581 John F. McMillan, collections.....	22 41
Aug.	14	5	1751 John F. McMillan, collections.....	14 93
	21	6	1811 John F. McMillan, collections.....	18 67
				<u>\$578 55</u>
				CR.
By collections.....				<u>\$578 55</u>

# PAVING WEST PARK PLACE, 1877—J. F. McMILLAN, CON- TRACTOR.

Date. Voucher. Warrant.				
1877.				
July	2	1	1284 John F. McMillan, intersections.....	\$639 62
		2	1324 John F. McMillan, collections.....	20 79
	10	3	1396 John F. McMillan, collections.....	10 39
	17	4	1450 John F. McMillan, collections.....	88 63
	24	5	1513 John F. McMillan, collections.....	25 97
	31	6	1582 John F. McMillan, collections.....	20 79
Aug.	7	7	1669 John F. McMillan, collections.....	10 39
	14	8	1752 John F. McMillan, collections.....	5 19
	21	9	1812 John F. McMillan, parts 2, 3 and 4, collec- tions.....	316 78
Sept.	11	10	2054 John F. McMillan, parts 2, 3 and 4, collec- tions.....	41 67
				<u>\$1,130 22</u>
				CR.
By street paving sinking fund, transferred.....				\$302 91
By street paving interest fund, transferred.....				13 87
By collections.....				<u>813 44</u>
				<u>\$1,130 22</u>

PAVING GRISWOLD STREET, 1877—J. F. McMILLAN, CON-  
TRACTOR.

Date. Voucher. Warrant.

1877.

July	2	1	1283	John F. McMillan, intersections .....	\$95 26	
	10	2	1394	John F. McMillan, collections....	9 38	
	24	3	1514	John F. McMillan, collections.....	22 78	
	31	4	1583	John F. McMillan, collections.....	358 35	
Aug.	21	5	1813	John F. McMillan, collections.....	83 27	
Sept.	11	6	2055	John F. McMillan, collections.....	42 15	
Oct.	2	7	2240	John F. McMillan, collections.....	44 69	
	23	8	2452	John F. McMillan, collections.....	75 37	
						\$731 25
					CR.	
By collections.....						\$731 25

PAVING DUFFIELD STREET, 1877—JOHN F. McMILLAN,  
CONTRACTOR.

Date. Voucher. Warrant.

1877.

July	2	1	1385	John F. McMillan, intersections.....	\$322 24	
	10	2	1397	John F. McMillan, collections.....	51 41	
	24	3	1515	John F. McMillan, collections.....	182 48	
	31	4	1584	John F. McMillan, collections.....	27 60	
Aug.	7	5	1670	John F. McMillan, collections.....	23 84	
						\$607 57
					CR.	
By collections.....						\$607 57

PAVING MAPLE STREET, 1877—JOHN F. McMILLAN, CON-  
TRACTOR.

Date. Voucher. Warrant.

1877.

July	24	1	1516	John F. McMillan, intersections.....	\$314 31	
	31	2	1589	John F. McMillan, collections.....	141 76	
Aug.	7	3	1673	John F. McMillan, collections.....	184 54	

Date.	Voucher.	Warrant.			
Aug.	14	4	1735	John F. McMillan, collections.....	\$208 46
	21	5	1817	John F. McMillan, collections.....	286 42
	28	6	1896	John F. McMillan, collections.....	336 40
Sept.	4	7	1976	John F. McMillan, collections.....	54 66
Oct.	2	8	2243	John F. McMillan, collections.....	85 18
1878.					
Jan.	8	9	3134	John F. McMillan, collections.....	40 13
					<u>\$1,651 86</u>
					Cr.
By collections.....					<u>\$1,651 86</u>

### PAVING LEWIS STREET, 1877—JOHN F. McMILLAN, CON- TRACTOR.

Date.	Voucher.	Warrant.			
1877.					
July	31	1	1590	John F. McMillan, intersections.....	\$477 47
		2	1590	John F. McMillan, collections.....	35 11
Aug.	7	3	1674	John F. McMillan, collections.....	91 38
	14	4	1756	John F. McMillan, collections.....	97 83
	21	5	1818	John F. McMillan, collections.....	183 22
	28	6	1897	John F. McMillan, collections.....	78 37
Sept.	4	7	1977	John F. McMillan, collections.....	196 03
	11	8	2058	John F. McMillan, collections.....	35 11
Oct.	9	9	2316	John F. McMillan, collections.....	10 98
	16	10	2391	John F. McMillan, collections.....	28 26
	22	11	2324	John F. McMillan, collections.....	23 51
					<u>\$1,257 27</u>
					Cr.
By collections.....					<u>\$1,257 27</u>

### PAVING CAMPBELL STREET, 1877—JOHN F. McMILLAN, CONTRACTOR.

Date.	Voucher.	Warrant.			
1877.					
Sept.	25	1	2180	John F. McMillan, intersections.....	\$190 62
		2	2180	John F. McMillan, collections.....	16 53
Oct.	9	3	2321	John F. McMillan, collections.....	49 59
	16	4	2393	John F. McMillan, collections.....	146 38

Date.	Voucher.	Warrant.			
Oct.	23	5	2456	John F. McMillan, collections.....	\$297 86
	30	6	2514	John F. McMillan, collections.....	38 57
Nov.	30	7	2700	John F. McMillan, collections.....	13 77
Dec.	11	8	2892	John F. McMillan, collections.....	22 04
					<u>\$715 36</u>
					CR.
By collections.....					<u>\$715 36</u>

### PAVING MACOMB STREET, 1877—JOHN F. McMILLAN, CONTRACTOR.

Date.	Voucher.	Warrant.			
1877.					
Oct.	2	1	2248	John F. McMillan, collections.....	\$92 63
	9	2	2322	John F. McMillan, collections.....	16 85
	16	3	2394	John F. McMillan, collections.....	85 97
	23	4	2457	John F. McMillan, collections.....	207 73
	30	5	2515	John F. McMillan, collections.....	389 05
Nov.	9	6	2579	John F. McMillan, collections.....	17 62
	30	7	2701	John F. McMillan, collections.....	8 67
Dec.	4	8	2822	John F. McMillan, collections.....	26 01
	11	9	2833	John F. McMillan, collections.....	36 26
	18	10	2960	John F. McMillan, collections.....	19 32
1878.					
Jan.	4	11	3079	John F. McMillan, collections.....	58 11
		12	3079	John F. McMillan, collections.....	8 67
	8	13	3135	John F. McMillan, collections.....	9 19
					<u>\$970 06</u>
					CR.
By collections.....					<u>\$970 06</u>

### PAVING PARSONS STREET, 1877—JOHN F. McMILLAN, CONTRACTOR.

Date.	Voucher.	Warrant.			
1877.					
Nov.	9	1	2606	John F. McMillan, intersections.....	\$160 55
		2	2636	John F. McMillan, collections.....	31 26
	13	3	2631	John F. McMillan, collections.....	10 42

Date. Voucher. Warrant.				
30	4	2705	John F. McMillan, collections.....	153 67
27	5	2755	John F. McMillan, collections.....	343 54
Dec. 4	6	2838	John F. McMillan, collections.....	10 42
				<u>\$709 86</u>
				Cr.
By collections.....				<u>\$709 86</u>

### PAVING RANDOLPH STREET, 1877—JOHN F. McMILLAN, CONTRACTOR.

Date. Voucher. Warrant.				
1877.				
Oct. 9	1	2325	John F. McMillan, collections.....	\$8 68
16	2	2397	John F. McMillan, collections.....	10 91
23	3	2460	John F. McMillan, collections.....	15 10
30	4	2517	John F. McMillan, collections.....	45 58
Nov. 9	5	2581	John F. McMillan, collections.....	3 02
Dec. 4	6	2644	John F. McMillan, collections.....	86 52
	7	2644	John F. McMillan, intersections.....	620 60
	8	2644	John F. McMillan, intersections.....	262 00
	9	2644	John F. McMillan, collections.....	7 55
	10	2644	John F. McMillan, parts 2, 3 and 4, collections.....	120 72
28	11	3021	John F. McMillan, parts 2, 3 and 4, collections.....	22 91
	12	3021	John F. McMillan, collections.....	23 70
1878.				
Jan. 4	13	3081	John F. McMillan, collections.....	12 04
				<u>\$1,239 33</u>
				Cr.
By street paving sinking fund transferred.....				\$143 37
By street paving interest fund transferred.....				26
By collections.....				<u>1,095 70</u>
				<u>\$1,239 33</u>

**PAVING MICHIGAN AVENUE, 1877—JOHN F. McMILLAN,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Nov.	9	1	2547	John F. McMillan, collections.....	\$17 68
	20	2	2706	John F. McMillan, collections.....	50 91
	27	3	2756	John F. McMillan, collections.....	23 10
Dec	11	4	2687	John F. McMillan, intersections.....	230 31
	18	5	2665	John F. McMillan, collections.....	97 75

1878.

Jan.	4	6	3182	John F. McMillan, collections.....	13 68	
To Balance January 31st, 1878 .....					10 97	\$433 58
						<u>\$444 55</u>

CR.

By collections..... \$444 55

**PAVING BRUSH STREET, 1877—LEDBETER & STEWART,  
CONTRACTORS.**

Date. Voucher. Warrant.

1877.

July	23	1	1473	Ledbeter & Stewart, intersections.....	\$219 25	
	31	2	1587	Ledbeter & Stewart, collections.....	53 86	
		3	1700	Ledbeter & Stewart, collections.....	94 83	
Aug.	21	4	1815	Ledbeter & Stewart, collections.....	156 50	
Sept.	18	5	2115	Ledbeter & Stewart, collections.....	40 97	
Oct.	2	6	2242	Ledbeter & Stewart, collections.....	41 48	
	9	7	2314	Ledbeter & Stewart, collections.....	40 97	
						<u>\$647 86</u>

CR.

By collections..... \$647 86



# PAVING WOODWARD AVENUE, 1877—LEDBETER & STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

July	31	1	1591	Ledbeter & Stewart, intersections .....	\$119 15
Aug.	7	2	1675	Ledbeter & Stewart, collections .....	411 27
	21	3	1819	Ledbeter & Stewart, collections .....	42 39
	28	4	1898	Ledbeter & Stewart, collections .....	180 65
Sept.	4	5	1978	Ledbeter & Stewart, collections .....	96 88
	11	6	2059	Ledbeter & Stewart, collections .....	96 88
Oct.	9	7	2317	Ledbeter & Stewart, collections .....	96 88
	23	8	2454	Ledbeter & Stewart, collections .....	84 76
Nov.	9	9	2577	Ledbeter & Stewart, collections .....	132 94
Dec.	18	10	2958	Ledbeter & Stewart, collections .....	183 15
					<u>\$1,394 95</u>

CR.

By collections..... \$1,394 95

# PAVING JEFFERSON AVENUE, 1877—LEDBETER & STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Sept.	18	1	2117	Ledbeter & Stewart, collections .....	\$22 16
	25	2	2178	Ledbeter & Stewart, intersections .....	450 21
		3	2178	Ledbeter & Stewart, collections .....	12 74
Oct.	2	4	2246	Ledbeter & Stewart, collections .....	36 08
	9	5	2319	Ledbeter & Stewart, collections .....	59 77
	16	6	2392	Ledbeter & Stewart, collections .....	33 31
Nov.	3	7	2646	Ledbeter & Stewart, collections .....	16 65
	20	8	2698	Ledbeter & Stewart, collections .....	11 12
	27	9	2751	Ledbeter & Stewart, collections .....	33 32
Dec.	4	10	2821	Ledbeter & Stewart, collections .....	27 70
					<u>\$703 06</u>

CR.

By collections..... \$703 06

# PAVING CONGRESS STREET, 1877—LEDBETER & STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Oct.	9	1	2326	Ledbeter & Stewart, intersections .....	\$420 63	
	30	2	2518	Ledbeter & Stewart, collections .....	5 04	
Nov.	9	3	2582	Ledbeter & Stewart, collections .....	10 06	
	20	4	2703	Ledbeter & Stewart, collections .....	46 67	
	27	5	2754	Ledbeter & Stewart, collections .....	9 37	
Dec.	4	6	2825	Ledbeter & Stewart, collections .....	35 09	
	11	7	2884	Ledbeter & Stewart, collections .....	15 88	
	18	8	2963	Ledbeter & Stewart, collections .....	27 68	
						\$570 44
						<hr/>
					Cr.	
By collections.....						\$570 44
						<hr/>

# PAVING SECOND STREET, 1877—LEDBETER & STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Oct.	9	1	2827	Ledbeter & Stewart, collections .....	\$19 93	
	16	2	2908	Ledbeter & Stewart, intersections .....	1,585 09	
		3	2410	Ledbeter & Stewart, collections ..	15 14	
	23	4	2461	Ledbeter & Stewart, collections .....	466 62	
	30	5	2519	Ledbeter & Stewart, collections .....	474 63	
Nov.	9	6	2583	Ledbeter & Stewart, collections .....	78 49	
	13	7	2649	Ledbeter & Stewart, collections .....	212 00	
	20	8	2704	Ledbeter & Stewart, collections .....	111 58	
Dec.	4	9	2826	Ledbeter & Stewart, collections .....	75 72	
	11	10	2885	Ledbeter & Stewart, collections .....	13 95	
	28	11	3023	Ledbeter & Stewart, collections .....	75 72	
1878.						
Jan.	22	12	3235	Ledbeter & Stewart, collections .....	75 72	
						\$3,204 50
						<hr/>
					Cr.	
By collections.....						\$3,204 50
						<hr/>

# PAVING COLUMBIA STREET, 1877—LEDBETER & STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Nov.	27	1	2758	Ledbeter & Stewart, collections .....	\$10 01
Dec.	11	2	2890	Ledbeter & Stewart, collections .....	23 47
	18	3	2967	Ledbeter & Stewart, intersections .....	81 96
		4	2967	Ledbeter & Stewart, collections .....	96 18
	28	5	3025	Ledbeter & Stewart, collections .....	39 67

1878.

Jan.	4	6	3085	Ledbeter & Stewart, collections .....	48 62
	15	7	3179	Ledbeter & Stewart, collections .....	17 87

To Balance January 31, 1878.....
\$317 78

14 30

\$332 08

CR.

By collections..... \$332 08

# PAVING BRONSON STREET, 1877—LEDBETER & STEWART, CONTRACTORS.

Date. Voucher. Warrant.

1877.

Dec.	11	1	2891	Ledbeter & Stewart, collections .....	\$13 88
	18	2	2968	Ledbeter & Stewart, collections .....	13 98
	28	3	3026	Ledbeter & Stewart, collections .....	41 86

\$69 72

CR.

By collections..... \$69 72

# PAVING ABBOTT STREET, 1877—JAMES MCGONEGAL, CON- TRACTOR.

Date. Voucher. Warrant.

1877.

July	23	1	1472	James McGonegal, intersections.....	\$373 49
	31	2	1586	James McGonegal, collections.....	83 74
Aug.	7	3	1671	James McGonegal, collections.....	145 90

Date.	Voucher.	Warrant.			
Aug.	14	4	1758	James McGonegal, collections.....	\$152 38
	21	5	1814	James McGonegal, collections.....	134 25
	28	6	1894	James McGonegal, collections.....	207 03
Sept.	4	7	1974	James McGonegal, collections.....	59 64
	11	8	2056	James McGonegal, collections.....	40 85
	25	9	2176	James McGonegal, collections.....	38 81
Oct.	2	10	2241	James McGonegal, collections.....	30 64
	9	11	2313	James McGonegal, collections.....	36 77
	16	12	2389	James McGonegal, collections.....	20 42
	30	13	2512	James McGonegal, collections.....	8 99
Nov.	9	14	2575	James McGonegal, collections.....	9 52
Dec.	28	15	3020	James McGonegal, collections.....	20 43
1878.					
Jan.	4	16	3078	James McGonegal, collections.....	57 21
					<u>\$1,420 07</u>
					Cr.
By collections.....					<u>\$1,420 07</u>

### PAVING CHARLOTTE AVENUE, 1877—JAMES MCGONEGAL, CONTRACTOR.

Date.	Voucher.	Warrant.			
1877.					
Aug.	7	1	1618	James McGonegal, intersections.....	\$523 84
	14	2	1758	James McGonegal, collections.....	120 02
	21	3	1820	James McGonegal, collections.....	40 00
	28	4	1899	James McGonegal, collections.....	120 02
Sept.	4	5	1979	James McGonegal, collections.....	516 42
	11	6	2060	James McGonegal, collections.....	20 00
Oct.	2	7	2245	James McGonegal, collections.....	20 00
Nov.	27	8	2750	James McGonegal, collections.....	9 98
					<u>\$1,870 28</u>
To Balance, January 31st, 1878.....					33 60
					<u>\$1,403 88</u>
					Cr.
By collections.....					<u>\$1,403 88</u>

**PAVING ORLEANS STREET, 1877—JAMES MCGONEGAL,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Aug.	7	1	1819	James McGonegal, intersections .....	\$309 77	
Sept.	4	2	1980	James McGonegal, collections .....	182 93	
Oct.	9	3	2318	James McGonegal, collections .....	8 05	
					<u>          </u>	\$500 75
						<u>          </u>
						Cr.
By collections .....						\$500 75
						<u>          </u>

**PAVING GRISWOLD STREET, 1877—JAMES MCGONEGAL,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Aug.	28	1	1900	James McGonegal, collections .....	\$24 36	
Sept.	25	2	2193	James McGonegal, collections .....	24 36	
					<u>          </u>	\$48 72
						<u>          </u>
						Cr.
By collections .....						\$48 72
						<u>          </u>

**PAVING MONROE AVENUE, 1877—JAMES MCGONEGAL,  
CONTRACTOR.**

Date. Voucher. Warrant.

1877.

Oct.	9	1	2323	James McGonegal, collections .....	\$5 97	
	16	2	2395	James McGonegal, collections .....	5 97	
	23	3	2458	James McGonegal, collections .....	56 95	
	30	4	2516	James McGonegal, collections .....	141 27	
Nov.	9	5	2580	James McGonegal, intersections .....	1,197 23	

Date.	Voucher.	Warrant.			
Nov.	9	6	2580	James McGonegal, collections.....	\$5 97
	13	7	2648	James McGonegal, collections.....	8 94
	27	8	2758	James McGonegal, collections.....	11 79
Dec.	4	9	2823	James McGonegal, collections.....	23 57
	18	10	2961	James McGonegal, collections.....	18 06
	28	11	3022	James McGonegal, collections.....	25 91
1878.					
Jan.	4	12	3080	James McGonegal, collections.....	15 19
	15	13	3177	James McGonegal, collections.....	7 76
					<u>\$1,524 58</u>
					Cr.
By collections.....					<u>\$1,524 58</u>

PAVING BATES STREET, 1877—JAMES MCGONEGAL, CON-  
TRACTOR.

1877.

Date.	Voucher.	Warrant.			
Oct.	9	1	2324	James McGonegal, collections.....	\$31 71
	16	2	2396	James McGonegal, collections.....	12 36
	23	3	2459	James McGonegal, intersections.....	205 98
		4	2459	James McGonegal, collections.....	27 15
Nov.	20	5	2702	James McGonegal, collections.....	27 82
Dec.	18	6	2962	James McGonegal, collections.....	15 47
					<u>\$320 49</u>
					Cr.
By collections.....					<u>\$320 49</u>

PAVING CAMPUS MARTIUS, 1877—JAMES MCGONEGAL,  
CONTRACTOR.

1877.

Oct.	23	1	2464	James McGonegal, intersections.....	\$160 01
Nov.	9	2	2585	James McGonegal, collections.....	18 79
					<u>\$178 80</u>
					Cr.
By collections.....					<u>\$178 80</u>

### PAVING MICHIGAN AVENUE, 1877—E. S. DE GOLYER, CONTRACTOR.

Date. Voucher. Warrant.				
1877.				
July	23	1	1474 E. S. De Golyer, 1st est., intersections.....	\$1,587 00
	31	2	1598 E. S. De Golyer, 2d est., intersections.....	1,090 84
		3	1598 E. S. De Golyer, collections.....	10 95
Aug.	7	4	1620 E. S. De Golyer, 3d & 4th est., intersections.	1,221 44
		5	1672 E. S. De Golyer, collections.....	35 64
	14	6	1734 E. S. De Golyer, collections.....	103 19
	21	7	1816 E. S. De Golyer, 5th est., intersections.....	304 74
		8	1816 E. S. De Golyer, collections.....	409 75
	28	9	1848 E. S. De Golyer, 6th and final est., intersec- tions.....	345 04
		10	1885 E. S. De Golyer, collections.....	38 91
Sept.	4	11	1975 E. S. De Golyer, collections.....	422 81
		11	2057 E. S. De Golyer, collections.....	7 88
	18	13	2116 E. S. De Golyer, collections.....	28 46
	25	14	2177 E. S. De Golyer, collections.....	25 21
Oct.	2	15	2244 E. S. De Golyer, collections.....	77 78
		9	16 2315 E. S. De Golyer, collections.....	94 64
		16	17 2390 E. S. De Golyer, collections.....	13 14
	23	18	2453 E. S. De Golyer, collections.....	25 29
Nov.	9	19	2576 E. S. De Golyer, collections.....	46 86
	13	20	2652 E. S. De Golyer, collections.....	79 55
Dec.	4	21	2820 E. S. De Golyer, collections.....	27 59
	11	22	2888 E. S. De Golyer, collections.....	17 08
1878.				
Jan.	4	23	3063 E. S. De Golyer, collections.....	10 95
		8	24 3136 E. S. De Golyer, collections.....	23 71
				\$6,048 45
				Cr.
By collections.....				\$6,048 45

### PAVING RANDOLPH STREET, 1877—PETER DUNN, CON- TRACTOR.

Date. Voucher. Warrant.				
1877.				
Oct.	23	1	2463 Peter Dunn, collections.....	\$12 22
		30	2 2520 Peter Dunn, collections.....	29 91
Nov.	9	3	2584 Peter Dunn, collections.....	41 31

Date.	Voucher.	Warrant.		
Nov. 13	4	2650	Peter Dunn, collections.....	\$15 83
Dec. 4	5	2827	Peter Dunn, collections.....	40 18
	11	2886	Peter Dunn, collections.....	14 77
	18	2964	Peter Dunn, intersections.....	763 55
		8	Peter Dunn, collections.....	33 59
	28	3024	Peter Dunn, collections.....	8 79
				<u>\$960 15</u>
				CR.
By collections.....				<u>\$960 15</u>

### PAVING CONGRESS STREET, 1877—PETER DUNN, CON-TRACTOR.

Date.	Voucher.	Warrant.		
1877.				
Nov. 27	1	2757	Peter Dunn, collections.....	\$33 33
Dec. 4	2	2830	Peter Dunn, collections.....	69 18
	11	2889	Peter Dunn, collections.....	69 52
	18	2966	Peter Dunn, intersections.....	576 74
		5	Peter Dunn, collections.....	105 39
1878.				
Jan. 4	6	3084	Peter Dunn, collections.....	14 64
	7	3084	Peter Dunn, collections.....	13 27
	8	3137	Peter Dunn, collections.....	7 59
	15	3178	Peter Dunn, collections.....	37 31
	22	3226	Peter Dunn, collections.....	23 37
				<u>\$950 34</u>
To Balance, January 31st, 1878.....				24 73
				<u>\$975 07</u>
				CR.
By collections.....				<u>\$975 07</u>



# PAVING FORT STREET WEST, 1877—THOMAS W. CORBY, CONTRACTOR.

Date. Voucher. Warrant.					
1877.					
Sept.	18	1	2118	Thomas W. Corby, collections .....	\$51 99
	25	2	2144	Thomas W. Corby, 1st est., intersections ....	768 87
		3	2179	Thomas W. Corby, collections .....	47 88
Oct.	2	4	2247	Thomas W. Corby, collections .....	192 43
	9	5	2320	Thomas W. Corby, 2d est., intersections .....	1,382 42
		6	2330	Thomas W. Corby, collections .....	193 40
	23	7	2455	Thomas W. Corby, collections .....	411 65
	30	8	2513	Thomas W. Corby, collections .....	88 70
Nov.	9	9	2578	Thomas W. Corby, collections .....	61 38
	13	10	2647	Thomas W. Corby, collections .....	89 31
	20	11	2699	Thomas W. Corby, collections .....	85 69
	27	12	2752	Thomas W. Corby, collections .....	36 83
Dec.	18	13	2959	Thomas W. Corby, collections .....	7 68
1878.					
Jan.	15	14	3176	Thomas W. Corby, collections .....	36 81
					<u>\$3,454 54</u>
					CR.
By collections .....					<u>\$3,454 54</u>

## CONTRACTORS' INTEREST FUND.

Date. Voucher. Warrant.					
1877.					
Mar.	13	1	339	Eugene Robinson, interest on special assessments.....	\$101 59
		2	340	E. R. Kearsley, interest on special assessments .....	73
		3	341	Calvin A. Cook, interest on special assessments .....	1 79
		4	342	Wm. J. Nesbitt, interest on special assessments .....	1 37
		5	343	James McGonegal, interest on special assessments .....	33
		6	344	Kaiser, Schneider & Patrick, interest on special assessments.....	4 97

## CITY CONTROLLER.

205

Date	Voucher.	Warrant.		
May 18	7	345	Dubots & Dunn, interest on special assessments .....	\$4 20
	8	346	Detroit City Paving Co., interest on special assessments .....	1 16
	9	347	McGonegal & Dunn, interest on special assessments .....	2 18
	10	348	Mark Flanigan, interest on special assessments .....	3 07
	11	349	Ledbeter & Stewart, interest on special assessments .....	16 79
	12	350	Henry Horn, interest on special assessments, .....	20
	13	351	Uridge & Bristow, interest on special assessments .....	18
	14	352	Daniel Sullivan, No. 1, interest on special assessments .....	25 09
	15	353	Shanahan & McLogan, interest on special assessments .....	4 34
	16	354	James Defoe & Co., interest on special assessments .....	29
	17	355	Daniel Sullivan, No. 2, interest on special assessments .....	5 06
	18	356	W. H. Henderson, interest on special assessments .....	1 44
	19	357	Ferdinand Porath, interest on special assessments .....	19 81
	20	358	Charles Reinfeldt, interest on special assessments .....	6 59
	21	359	J. & J. Sullivan, interest on special assessments .....	73
	22	360	John Sullivan, interest on special assessments .....	4 81
	23	361	Foley & Moran, interest on special assessments .....	5 96
	24	362	M. & W. H. Henderson, interest on special assessments .....	37
	25	363	J. H. & J. W. Granger, interest on special assessments .....	91
	26	364	Michael Henderson, interest on special assessments .....	1 23
	27	365	Batchelder, Cook & Co., interest on special assessments .....	8 47
	28	366	J. D. Standish, interest on special assessments .....	4 69
	29	367	D. B. Langford, interest on special assessments .....	6 97
	30	368	James Cuddy, interest on special assessments .....	20
	31	369	Wagner & Dettloff, interest on special assessments .....	4 55
	32	370	August Zander, interest on special assessments .....	62

## ANNUAL REPORT OF THE

Date. Voucher. Warrant.				
May 13	33	371	Jeremiah Connor, interest on special assessments .....	\$3 39
	34	372	Frank Elwart, interest on special assessments .....	2 62
	35	373	Batson & Horn, interest on special assessments .....	3 54
	36	374	Schneider & Kies, interest on special assessments .....	9 54
	37	375	Merrill & Sullivan, interest on special assessments .....	27 28
	38	376	Elwart & Mazain, interest on special assessments .....	15 48
				<hr/>
To Balance, January 31st, 1878.....				\$320 53
				275 21
				<hr/>
				\$577 74
				<hr/>
				CR.
By Balance, January 31st, 1877.....				\$20 02
By interest on special assessments.....				557 72
				<hr/>
				- \$577 74
				<hr/>

# CORPORATE PROPERTY OF THE CITY OF DETROIT.

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New City Hall Building .....	\$510,000 00	
Land .....	265,000 00	
		\$775,000 00
Market Buildings .....	\$17,000 00	
Land .....	100,000 00	
House of Correction .....	157,250 00	
Land .....	25,000 00	
		299,250 00
Cass Market .....	\$1,000 00	
Land .....	5,000 00	
		6,000 00
		<u>\$1,590,250 00</u>

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## PUBLIC PARKS.

East Grand Circus Park .....	\$110,000 00	
West Grand Circus Park .....	110,000 00	
Cass Park .....	50,000 00	
West Park .....	12,600 00	
East Park .....	12,600 00	
Crawford Park .....	6,000 00	
Elton Park .....	6,000 00	
Macomb Park .....	5,000 00	
Stanton Park .....	5,000 00	
North Park .....	3,800 00	
Clinton Park .....	23,000 00	
Triangle, Governor and Judges' Plan, Lot 67 .....	2,000 00	
Adelaide Campau Park .....	4,000 00	
Linden Park (35 acres) .....	24,500 00	
		<u>\$374,000 00</u>

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## REAL ESTATE.

Triangle, Witherell Farm .....	\$1,000 00	
Lot 1, Section 19, Dubois Farm .....	500 00	
Triangular Lot, corner Twelfth street and Lafayette avenue .....	1,000 00	
Hospital Grounds, Grosse Point (34 acres) .....	6,000 00	
		<u>\$8,500 00</u>

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## BOARD OF EDUCATION OF THE CITY OF DETROIT.

*Statement, showing location and valuation of property, January, 1878.*

NAMES.	Location.	Size of lots.	Amount.
Abbott Street.	On Abbott street, between First and Second.....	50x130 ft.	\$5,872 24
Barstow.....	Larned, between Riopelle and Russell.....	100x 81x 269*	37,317 88
Bishop.....	Marion, between Hastings and Prospect.....	153x210	37,573 83
Cass.....	Grand River avenue, between Second and George.	378x300x 248	43,321 79
Clay.....	Pitcher, between Cass and Second.....	100x190	9,880 81
Campbell.....	St. Aubin avenue, opposite Witherell.....	One acre.	10,700 62
Clinton.....	Clinton street, between Russell and Rivard.....	150x105	33,292 19
Duffield.....	Clinton avenue, near Chene.....	157x210	37,694 75
Everett.....	Fort street, between Hastings and Rivard.....	106x135	40,793 95
Franklin.....	Seventh street, between Locust and Pine.....	173x130	19,062 13
Fort Street.....	Fort street, near Elmwood avenue.....	79x130	3,419 64
High.....	Corner State and Griswold (old and new).....	175x234x 341	103,923 30
Houghton.....	Corner Sixth and Abbott.....	125x130	28,734 34
Irving.....	Willis avenue, between Woodward and Cass.....	150x170	9,950 05
Jefferson.....	Corner Maria and Crawford.....	144x203	38,252 30
Jackson.....	Larned, between Dubois and Chene.....	100x120	8,800 07
Lincoln.....	Corner Antoine and Kentucky.....	100x195	7,656 02
Miami Ave.....	Miami avenue, between Grand River and Gratiot.....	64x109	10,250 00
Pitcher.....	Sullivan avenue, near Michigan.....	110x193	26,330 47
Tappan.....	Corner Thirteenth street and Marantette.....	250x130	37,067 62
Trowbridge.....	Seventeenth, near Howard.....	100x108	13,055 00
Thompson St.....	Corner Twelfth and Brigham.....	60x100	1,150 00
Third Ward.....	Fort street, between Brush and Beaubien.....	53x125	8,500 06
Washington.....	Beaubien, between Adams and Harriet.....	100x200	39,470 16
Wilkins.....	Porter, between Second and Third.....	100x130	41,103 11
Webster.....	Twenty-first st., between Howard and Marquette.....	210x130	38,073 29
Myrtle St. lots.	Corner Thirteenth and Myrtle.....	210x102	2,800 00
Thirteenth W. J.	On Berlin and Arndt, near McDougall avenue.....	120x230	3,103 39
			\$717,117 75

**ANNUAL INVENTORIES OF THE PROPERTY OF THE  
FIRE DEPARTMENT OF THE CITY OF DETROIT,  
JANUARY 31ST, 1878.**

Engine Company No. 1.....	\$30,765 52
Engine Company No. 2.....	26,274 71
Engine Company No. 3.....	17,584 55
Engine Company No. 4.....	18,545 33
Engine Company No. 5.....	21,953 43
Engine Company No. 6.....	17,434 80
Engine Company No. 7.....	18,907 17
Engine Company No. 8.....	19,992 44
Chemical Company No. 1.....	2,669 11
Chemical Company No. 2.....	13,315 50
Hook and Ladder Company 1.....	24,368 01
Hook and Ladder Company 2.....	17,904 61
Headquarters, Offices, etc.....	1,074 37
Lot cor Congress and Jos. Campau ave.....	1,500 00
Storehouse "A," Larned street.....	2,000 00
Storehouse "B," Orchard street.....	1,800 00
Hydrants and reservoirs.....	73,580 00
Fire Alarm Telegraph.....	46,088 00
Property in Supply House No. 1.....	431 45
Property in Supply House No. 2.....	699 45
Extra apparatus and property.....	10,130 01
Supply Department.....	1,272 22
Telegraph Department.....	881 80
Water Supply Department.....	1,127 82
<b>Total valuation.....</b>	<b>\$380,189 80</b>

**VALUATION OF PROPERTY IN CHARGE OF THE POLICE  
COMMISSION OF THE CITY OF DETROIT, JANUARY  
31ST, 1878.**

Woodbridge Street Station.....	\$17,411 46
Gratiot Avenue Station and Barn.....	16,170 54
Trumbull Avenue Station.....	11,994 15
Elmwood Avenue Station.....	5,617 61
Twentieth Street Station.....	3,099 31
	<b>\$54,223 07</b>

## CITY WATER WORKS.

*Statement of the Value and Liabilities of the City Water Works,  
under the management of a Board of Commissioners appointed  
by the Common Council.*

The expenditures by the present management for construction, amounts to .....	\$2,323,114 83
The value of the property transferred by the city in use, is now estimated .....	100,000 00
Showing the present value of the works to be .....	\$2,423,114 83
The liabilities are, for bonds issued .....	\$1,551,000 00
Less cash on hand .....	55,765 31
Total liabilities .....	1,495,234 69
Value of property over liabilities .....	\$927,880 14

## SEWERS.

*Length and cost of Public and Lateral Sewers built from 1835 to  
1877, inclusive.*

YEAR.	PUBLIC SEWERS.		LATERAL SEWERS.		LATERAL SEWERS.	PUBLIC SEWERS.	Total cost.
	Miles.	Feet.	Miles.	Feet.	Cost.	Cost.	
To 1875 .....	53	4,156	66	166	\$411,567 43	\$1,548,171 65	\$1,959,739 08
In 1876 .....	7	4,434	8	2,103	26,899 11	147,808 27	174,707 38
In 1877 .....	6	5,258	4	766	11,856 97	101,699 75	113,556 72
Total .....	66	3,298	78	3,035	\$450,323 51	\$1,797,679 67	\$2,248,003 18

## STREET LAMPS, POSTS, Etc.

1795 Iron Lamp Posts, at \$10 each .....	\$17,950 00	
253 Wooden Lamp Posts, at \$1 each.....	253 00	
2090 Street Lamps, at \$1.50 each .....	3,135 00	
Gas Meter Prover, cost .....	180 00	
Photometer .....	100 00	
Test Meter.....	30 00	
Lamplighters' tools.....	75 00	
Street Main Proving Pump. ....	50 00	
		<u>\$21,753 00</u>

## PUBLIC DRINKING FOUNTAINS.

3 Fountains, cost \$360 each .....	\$960 00	
2 Fountains, cost \$340 each .....	680 00	
4 lamp posts and lamps on same, \$29.25 .....	117 00	
12 Drinking Fountains.....	1,138 32	
		<u>\$2,895 32</u>

## RECAPITULATION.

## ASSETS.

Public Buildings and Lands.....	\$1,590,250 00	
Public Parks .....	374,000 00	
Real Estate (unimproved).....	8,500 00	
School Buildings and Lots.....	717,117 75	
Fire Department Property.....	360,189 30	
Police Department Property (Police Stations).....	54,223 07	
Water Works Property .....	932,890 14	
Public Sewers.....	1,797,679 67	
Street Lamps and Posts .....	21,753 00	
Street Drinking Fountains.....	2,895 32	
		<u>\$5,859,498 25</u>



## RECAPITULATION.

## LIABILITIES.

Municipal Bonds and other Indebtedness.....	\$1,322,400 00	
Less amount of Cash on hand and Bonds in hands of Commissioners of the Sinking Fund.....	384,856 86	\$877,543 14
Indebtedness of the Board of Water Commissioners' Bonds.....	\$1,551,000 00	
Less amount of Cash on hand.....	55,765 31	1,495,234 69
Total liabilities .....		<u>\$2,872,777 83</u>

## SUMMARY.

Corporate City Property.....	\$5,859,466 25	
Liabilities.....	2,872,777 83	
Value of Property over Liabilities.....		<u>\$3,486,710 42</u>

# CONTROLLER'S ESTIMATES

FOR THE

FISCAL YEAR 1878.

CITY CONTROLLER'S OFFICE,  
CITY HALL, February 19, 1878. }

*To the Honorable the Common Council:*

GENTLEMEN—I herewith respectfully submit my estimates of the amount of money required for the various funds under my official charge, together with the annual estimates of the various boards and commissions of the city government for the fiscal year 1878.

All these estimates are made with reference to the actual condition of the funds rather than with any idea of a favorable exhibit which might tend to deceive, and are given in detail to enable your honorable body the better to judge of the necessities of each department.

Very respectfully, etc.,

H. P. BRIDGE,  
*Controller.*

## ESTIMATES.

Sinking Fund.....	\$5,000 00
Interest Fund.....	90,820 00
General Fund.....	110,000 00
Superior Court Fund.....	18,000 00
Recorder's Court Fund.....	3,850 00
Street Opening Fund.....	5,000 00
City Poor Fund.....	35,000 00
Public Sewer Fund.....	75,973 00
Public Building Fund.....	3,000 00
Park Improvement Fund.....	3,000 00
General Road Fund.....	68,700 00

## Road District Funds:

First Ward.....	2,000 00	
Second Ward.....	1,800 00	
Third Ward.....	1,200 00	
Fourth Ward.....	700 00	
Fifth Ward.....	3,500 00	
Sixth Ward.....	3,000 00	
Seventh Ward.....	1,300 00	
Eighth Ward.....	3,000 00	
Ninth Ward.....	4,500 00	
Tenth Ward.....	3,500 00	
Eleventh Ward.....	2,200 00	
Twelfth Ward.....	2,000 00	
Thirteenth Ward.....	2,200 00	
Board of Education Fund, per capita tax.....	\$178,895 00	
Board of Education Fund, building purposes.....	40,000 00	
Board of Education, night schools.....	1,500 00	
	<u>220,195 00</u>	
Board of Fire Commissioners' Fund.....	111,277 20	
Board of Metropolitan Police Fund.....	<u>135,000 00</u>	
Total.....		<u>\$911,215 20</u>

## THE INCREASE AND DECREASE.

	Increase.	Decrease.
Sinking Fund.....		
Interest Fund.....	\$7,195 00	
General Fund.....		\$5,000 00
Superior Court Fund.....	13,000 00	
Recorder's Court Fund.....	3,350 00	
Street Opening Fund.....	5,000 00	
City Poor Fund.....	10,000 00	
Public Sewer Fund.....	25,973 00	
Public Building Fund.....		
Park Improvement Fund.....	3,000 00	
General Road Fund.....		300 00
Road District Funds:		
First Ward.....	800 00	
Second Ward.....	800 00	
Third Ward.....	100 00	
Fourth Ward.....		500 00
Fifth Ward.....		
Sixth Ward.....		

Seventh Ward.....		
Eighth Ward.....	\$200 00	
Ninth Ward.....		\$500 00
Tenth Ward.....		
Eleventh Ward.....		800 00
Twelfth Ward.....		1,000 00
Thirteenth Ward.....		800 00
Board of Education, per capita tax.....	9,889 40	
Board of Education, building purposes.....	10,000 00	
Board of Education, night schools.....	1,500 00	
Fire Commissioners' Fund.....		357 80
Metropolitan Police Fund.....		
Total.....	\$90,787 40	\$9,257 80

## ESTIMATES IN DETAIL.

## SINKING FUND.

The amount asked for is the lowest amount fixed by law..... \$5,000 00

## INTEREST FUND.

The interest on the bonded debt matures as follows during the fiscal year:

Date of Issue.	For what Purpose.	Amount of Loan.	Rate.	Interest Payable.	Amount.
April 1, 1858.	Redemption Loan.	\$50,000 00	.07	April 1, six months.	\$1,750 00
September 1, 1859.	Redemption Loan.	30,000 00	.07	March 1 and September 1	2,100 00
December 31, 1859.	House of Correction	50,000 00	.07	June 30 and December 31	3,500 00
September 1, 1861.	House of Correction	24,000 00	.07	March 5 and September 5	1,680 00
January 1, 1866.	New City Hall.	80,000 00	.07	July 1 and January 1	5,600 00
April 1, 1868.	New City Hall.	146,000 00	.07	April 1 and October 1	10,220 00
June 1, 1869.	New City Hall.	200,000 00	.07	June 1 and December 1	14,000 00
June 1, 1870.	New City Hall.	100,000 00	.07	June 1 and December 1	7,000 00
March 1, 1871.	New City Hall.	74,000 00	.07	March 1 and September 1	5,180 00
August 1, 1872.	Public Sewer.	100,000 00	.07	February 1 and August 1	7,000 00
June 1, 1873.	House of Correction	10,000 00	.07	June 1 and December 1	700 00
August 1, 1873.	Public Sewer.	100,000 00	.07	February 1 and August 1	7,000 00
August 1, 1874.	Public Sewer.	100,000 00	.07	February 1 and August 1	7,000 00
August 1, 1875.	House of Correction	16,000 00	.07	February 1 and August 1	1,120 00
August 1, 1875.	Public Sewer.	100,000 00	.07	February 1 and August 1	7,000 00
August 1, 1876.	Public Sewer.	40,000 00	.07	February 1 and August 1	2,800 00
June 1, 1877.	Public Sewer.	40,000 00	.06	June 1 and December 1	2,400 00
Coupons due in last fiscal year, not yet presented					770 00
Total amount payable during 1878.					\$36,820 00
Interest on the public debt must be paid whenever the coupons are presented. Although this fund has a nominal balance to its credit, it is, in fact, owing to the non-collection of taxes, overdrawn. To provide for such a contingency during this fiscal year, I recommend an additional sum of					4,000 00
Amount required.					\$80,820 00

## GENERAL FUND.

For what Purpose.	Expended 1877.	Estimated for 1878.
Salaries, Mayor's office.....	\$2,140 21	\$2,200 00
Salaries, City Controller's office.....	6,431 31	6,440 00
Salaries, City Clerk's office.....	4,890 98	4,900 00
Salaries, City Treasurer's office.....	5,927 98	7,920 00
Salaries, Receiver of Taxes office.....	8,224 06	8,800 00
Salaries, City Assessor's office.....	11,405 92	11,000 00
Salaries, City Engineer's office.....	6,827 50	6,500 00
Salaries, City Counselor's office.....	2,000 00	2,000 00
Salaries, City Attorney's office.....	3,008 29	3,700 00
Salaries, Board of Public Works office.....	14,256 00	12,760 00
Salaries, Director of Poor's office.....	2,800 00	2,800 00
Salaries, City Collector's office.....	2,439 00	2,340 00
Salaries, Gas Inspector's office.....	1,200 00	1,400 00
Salaries, Clerk of Market's office.....	1,826 00	1,736 00
Salaries, City Physicians and Health Officer.....	2,475 00	2,600 00
Salaries, City Boards of Review.....	240 00	240 00
Salaries, Aldermen and Messenger.....	3,990 00	4,160 00
Salaries, Board of Health.....	633 00	500 00
Salaries, Police Justice and Clerk.....	2,689 26	2,600 00
Salaries, City Accountant.....	696 00	1,500 00
Salaries, Poundmasters.....	1,435 00	1,200 00
Salaries, Engineer and Firemen, City Hall.....	1,899 75	1,906 00
Salaries, City Sexton.....	150 00	200 00
Salaries, Janitors City Hall.....	2,573 75	2,510 00
Pay-roll, laborers, for cleaning.....	679 25	500 00
Burial of dead animals.....	689 98	480 00
Postage.....	154 39	250 00
Hardware.....	126 95	150 00
Market expenses.....	390 36	350 00
Time-keeper and care of clocks.....	114 17	300 00
Registration and election expenses.....	5,491 06	5,500 00
Fuel.....	1,602 40	2,000 00
Lithographing maps.....	150 00	150 00
Rent of wood market.....	750 00	750 00
Furniture and repairs.....	102 90	100 00
City Directories.....	56 00	100 00
Entertainment of visitors.....	318 30	2,000 00
Water and ice.....	350 00	350 00
Watering streets.....	184 00	500 00
Newsboys' badges.....	140 00	100 00
Posting notices.....	25 00	25 00
Indexing Council proceedings.....	300 00	300 00
City Engineer, use of horse.....		320 00
Printing and stationery.....	12,240 64	15,000 00
Gas and lamp post fund.....	46,311 87	50,000 00
Miscellaneous expenses.....	253 45	1,000 00
		<b>\$180,297 00</b>

## ESTIMATED REVENUE.

From rents, fees, licenses and credit balances.....	\$70,297 00
Amount required .....	<u>\$110,000 00</u>

## SUPERIOR COURT FUND.

This fund will require for the payment of salaries of officers of court as fixed by law .....		\$8,000 00
For Sheriff and deputies .....	2,100 00	
For pay of jurors.....	7,800 00	
For rent of court rooms.....	1,000 00	
For incidental expenses, stationery, printing, etc.....	400 00	
		<u>\$18,700 00</u>
Less estimated receipts from court .....	5,700 00	
Amount required .....		<u>\$13,000 00</u>

## RECORDER'S COURT FUND.

For salaries of Judge and clerks of court.....	\$1,800 00	
For fees of Sheriff.....	100 00	
Miscellaneous expenses.....	150 00	
		<u>\$4,550 00</u>
Less estimated receipts of court.....	1,200 00	
Amount required .....		<u>\$3,350 00</u>

## STREET OPENING FUND.

There was at the close of the fiscal year 1877, to the credit of this fund.....	\$7,246 72
I would recommend an additional sum of.....	<u>5,000 00</u>

## CITY POOR FUND.

This fund is in debt.....	\$5,000 00
The Director of the Poor estimates that he will require for the proper conduct of his department, as follows:	
Relief of city poor.....	\$18,000 00
Care of sick at hospitals.....	4,000 00
Burial lots and burial of poor.....	1,500 00
Vaccination.....	300 00
Wood, inspection and delivery.....	5,500 00
Railroad tickets .....	250 00
Miscellaneous expenses.....	450 00
	<u>30,000 00</u>
Amount required .....	<u>\$35,000 00</u>

## WATER COMMISSION.

In preparing my annual estimates I have endeavored to obtain all the information possible, with a view of arriving at the necessary amounts that would be actually required to carry on the different departments of the city government without serious embarrassment. An act was passed by the Legislature March 8th, 1873, authorizing the Board of Water Commissioners, with the consent of the Common Council, to issue bonds for \$1,000,000. The consent of the Council was obtained and \$600,000 of bonds have been issued.

A clause in the same law makes it the duty of the Common Council to cause to be annually assessed and levied on the taxable property of the city \$75,000, for the use of the Board. In the years 1873 and 1874 no appropriations were made. In 1875 \$25,000, and in the years 1876 and 1877 \$40,000 each was appropriated. Thus it appears that the mandatory clause, requiring an appropriation of \$75,000 annually, has never been complied with.

On the 4th of February inst. I addressed a note to the Board requesting of them an estimate of the amount they would require for the fiscal year 1878, and in response I was referred to the law. As this law has never been complied with, and as doubt exists as to its validity, I question the propriety of levying a tax of one dollar more than stern necessity demands.

I have no doubt your honorable body will make any and all provisions the Board will show is necessary, for the purpose of supplying the city with an abundance of pure water, and that the tax payer will freely pay the tax for such purpose.

At this time it will be difficult to convince the tax payer that one dollar should be added to his burden that is not indispensably necessary. The fact ought not to be lost sight of that Detroit, like most other cities, is decreasing in wealth, and times like the present, when the laborer is out of employment, the industrial interests idle and capital unproductive, should admonish us all to avoid any unnecessary taxation.

Not knowing what amount, if any, the Board of Water Commissioners may require, I submit the question to your honorable body to dispose of as, in your judgment, you may think proper.



## ESTIMATES OF THE BOARD OF PUBLIC WORKS.

## PUBLIC SEWER FUND.

Sewer in Hale, from Chene to Joseph Campau avenue, 21 in. by 28 in. ....	\$810 00
Sewer in Gratiot avenue, 2 ft. 6 in. by 3 ft. 4 in. ....	1,001 00
Sewer in St. Aubin avenue, from Fremont to Warren avenue, 3 ft. 9 in. by 5 ft. ....	6,443 00
Sewer in Beaubien street, from Farnsworth to Palmer street, 3 ft. 3 in. by 4 ft. 4 in. ....	4,688 00
Sewer in Hastings street, from Fremont street to Warren avenue, 3 ft. 9 in. by 6 ft. ....	6,443 00
Sewer in Russell street, from Fremont street to Farnsworth street, 3 ft. 9 in. by 5 ft. ....	6,443 00
3 ft. 6 in. by 4 ft. 8 in. ....	1,824 00
Sewer in Grandy avenue, from Fremont street to Warren avenue 3 ft. 6 in. by 4 ft. 8 in. ....	5,440 00
Sewer in Farnsworth street, from Beaubien to St. Antoine street, 21 in. by 28 in. ....	450 00
Sewer in Park street, from High to Bagg street, 2 ft. 6 in. by 3 ft. 4 in. ....	3,380 00
Sewer in Twenty-fourth street, present terminus to Dix road, 6 in. by 8 in. ....	5,929 00
Sewer in Twenty-fourth street, from Dix road, 1,000 feet north, 3 ft. 6 in. by 4 ft. 8 in. ....	3,000 00
Sewer in Twelfth street, from Cella to Merrick street, 3 ft. 6 in. by 4 ft. 8 in. ....	1,950 00
3 ft. 3 in. by 4 ft. 4 in. ....	2,593 00
Sewer in alley between Bates, Randolph, Michigan, Grand avenue and Farmer street, 21 in by 28 in. ....	819 00
Sewer in St. Joseph street, from Chene to Joseph Campau avenue, 21 in. by 28 in. ....	810 00
Sewer in Woodbridge street, from St. Antoine to Randolph, and through Randolph street to river, 6, 7, 8 cylinder. ....	17,000 00
Sewer in St. Antoine street, from Atwater to Fort street, 5 cylinder. ....	7,000 00
	<hr/>
	\$75,973 00

## GENERAL ROAD FUND.

Wood paving, repairs. ....	\$10,000 00
Stone paving, repairs. ....	8,000 00
Paving intersections. ....	28,000 00
Paving alleys. ....	1,000 00
Sidewalk intersections, stone. ....	4,000 00
Sidewalk intersections, wood. ....	3,000 00

## CITY CONTROLLER.

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Cleaning streets, city property.....	\$2,000 00	
Inspectors of paving.....	1,200 00	
Repairs to docks, foot of streets.....	1,500 00	
Drinking fountains.....	1,000 00	
Crosswalks and culverts.....	13,000 00	
Repairs to bridges.....	2,000 00	
	<hr/>	\$69,700 00

## GENERAL FUND.

Street lamps, posts, repairs, etc.....	\$4,000 00	
Printing and advertising.....	800 00	
Stationery.....	50 00	
Secretary and clerks.....	5,256 00	
Sprinkling streets.....	500 00	
Assistant city engineers.....	5,400 00	
Stationery for city engineers.....	150 00	
Hire of horse for city engineers.....	320 00	
Park improvement.....	3,000 00	
City engineer.....	2,500 00	
	<hr/>	21,976 00

## PUBLIC BUILDING FUND.

Amount required.....	3,000 00
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## ESTIMATES

To be raised in the different wards by general tax for cleaning, grading  
and working streets and alleys—

First Ward.....	\$2,000 00	
Second Ward.....	1,800 00	
Third Ward.....	1,200 00	
Fourth Ward.....	700 00	
Fifth Ward.....	3,500 00	
Sixth Ward.....	3,000 00	
Seventh Ward.....	1,300 00	
Eighth Ward.....	3,000 00	
Ninth Ward.....	4,500 00	
Tenth Ward.....	3,500 00	
Eleventh Ward.....	2,200 00	
Twelfth Ward.....	2,000 00	
Thirteenth Ward.....	2,200 00	
	<hr/>	30,900 00

## RECAPITULATION.

Public Sewer.....	\$75,973 00
General Road.....	69,700 00
General.....	21,976 00
Public Building.....	3,000 00

## ROAD DISTRICT.

First Ward.....	\$2,000 00	
Second Ward.....	1,800 00	
Third Ward.....	1,200 00	
Fourth Ward.....	700 00	
Fifth Ward.....	3,500 00	
Sixth Ward.....	3,000 00	
Seventh Ward.....	1,800 00	
Eighth Ward.....	3,000 00	
Ninth Ward.....	4,500 00	
Tenth Ward.....	3,500 00	
Eleventh Ward.....	2,200 00	
Twelfth Ward.....	2,000 00	
Thirteenth Ward.....	2,200 00	
		<u>\$301,549 00</u>

## THE BOARD OF EDUCATION.

DETROIT, February 14, 1878.

*To the Honorable the Common Council of the City of Detroit:*

GENTLEMEN—The Board of Education of the City of Detroit, hereby certify to your honorable body that the number of children in the city, between the ages of five and twenty, was thirty-five thousand seven hundred and thirty-nine (35,739), according to the school census taken last September.

The financial estimates for the ensuing year, as revised by the Board and adopted at a special meeting, held on the 13th inst., are as follows:

For salaries of teachers .....	\$146,565 00
For salary of Superintendent of schools.....	3,300 00
For wages of janitors .....	12,000 00
For fuel .....	11,000 00
For labor and supplies, books for poor children, and sundry incidental expenses.....	6,000 00
For repairs.....	10,000 00
For printing.....	1,500 00
For insurance.....	1,500 00
For rent.....	300 00

For furniture .....	\$2,000 00	
For school census .....	730 00	
For salary of Secretary .....	2,000 00	
		<u>\$196,895 00</u>

To meet the above, the estimated receipts provided by statute are as follows:

Primary school fund.....	\$18,000 00	
Miscellaneous sources .....	2,200 00	
From per capita tax on 35,739 children, at \$5.....	178,695 00	
		<u>\$196,895 00</u>

To put in operation for three months next winter two or three evening schools and maintain the same, the Board has instructed the president to ask the Board of Estimates for an appropriation of fifteen hundred dollars (1,500) in addition to the per capita tax.

And also for a sum to be derived from the mill tax.

For general building fund purposes.....	\$40,000 00
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Very respectfully,

F. NORVELL,

*President of the Board of Education of the city of Detroit.*

SAMUEL E. PITTMAN,

*Secretary of said Board.*

## THE FIRE COMMISSION.

DETROIT, February 13, 1878.

*To the Honorable the Common Council:*

GENTLEMEN—The Fire Commission have the honor to submit for the consideration of your honorable body their annual estimate for the appropriation requisite to maintain the fire department, and to make such additions and improvements as are deemed necessary during the ensuing year:

## RUNNING EXPENSES.

Pay-rolls .....	\$68,270 00
Hay, oats and horse bedding .....	3,500 00
Harness and repairs.....	320 00

Horse shoeing.....	\$1,000 00	
Engine repairs.....	1,600 00	
Hose cart repairs.....	300 00	
Wagon repairs.....	250 00	
Hook and ladder repairs.....	400 00	
Hose repairs.....	100 00	
General supplies.....	1,300 00	
Telegraph supplies.....	1,100 00	
Furniture, bedding and repairs.....	750 00	
Washing.....	750 00	
Gas.....	800 00	
Coal.....	3,000 00	
Kindling.....	100 00	
Printing and stationery.....	400 00	
General building repairs.....	3,000 00	
		<u>\$86,920 00</u>

## WATER SUPPLY.

New hydrants.....	\$1,300 00	
Labor, drainage and repairs.....	1,650 00	
Bill, Water Commission.....	200 00	
		<u>3,150 00</u>

## FIRE ALARM TELEGRAPH.

New boxes.....	\$1,000 00	
Gong.....	166 00	
Cable wire.....	75 00	
Insulated wire.....	250 00	
Poles.....	175 00	
Insulators.....	50 00	
Cross arms.....	25 00	
Repairs and labor.....	150 00	
		<u>1,891 00</u>

## NECESSARY APPARATUS, ETC.

4,000 feet hose.....	\$4,000 00	
Horses.....	2,000 00	
Harness and changes.....	500 00	
Hose carriages.....	600 00	
Bell for Engine House No. 8.....	250 00	
		<u>7,350 00</u>

## NEW HOOK AND LADDER HOUSE AND COMPANY.

Lot.....	\$1,800 00	
House.....	4,500 00	
Horses.....	400 00	
Harness.....	100 00	
Two hand fire extinguishers.....	100 00	
Furniture and bedding.....	375 00	

Stove and pipe.....	\$75 00	
Pay-roll, company, 4 months .....	1,366 20	
Incidental.....	250 00	
		\$8,966 20
Uncollected and worthless taxes .....		3,000 00
Total .....		<u>\$111,377 20</u>

All of which is respectfully submitted,

B. VERNOR,  
JEROME CROUL,  
P. HENKEL,  
L. H. COBB,  
*Board of Fire Commissioners.*

OFFICE OF THE METROPOLITAN POLICE COMMISSION, }  
DETROIT, MICH., Feb. 15, 1878. }

*Hon. H. P. Bridge, Controller, etc.:*

DEAR SIR—As required by law, I transmit herewith the estimate for the support and maintenance of the "Metropolitan Police Force" of this city, from July 1st, 1878, to July 1st, 1879.

Yours, very respectfully,

SIDNEY D. MILLER,

L. R. MESERVE,

*President.*

*Secretary..*

ESTIMATES

*For the maintenance of the "Metropolitan Police Department" of the city of Detroit, from July 1, 1878, to July 1, 1879:*

	Salaries.
One Superintendent .....	\$2,000 00
Three Captains at \$1,100.....	3,300 00
Eight Sergeants at \$800.....	7,200 00
Seven Roundsmen at \$800 .....	5,600 00
One hundred and seven patrolmen } \$700 .....	74,900 00
Twenty-three patrolmen } 130 600 .....	13,800 00
Three Detectives at \$1,000.....	3,000 00
Three Doormen at \$650 .....	1,950 00

Five Doormen at \$600.....	\$3,000 00	
One Janitor.....	540 00	
Secretary, Property Clerk and License Collector .....	1,800 00	
Attorney .....	600 00	
Surgeon.....	500 00	
		<u>\$118,190 00</u>

## GENERAL EXPENSES.

Two new sub-stations, with land.....	\$7,000 00	
Furniture and stoves for the same.....	300 00	
Extension of telegraph line.....	250 00	
General repairs and painting at stations.....	1,000 00	
Books, stationery and printing.....	550 00	
Care of telegraph line one year .....	450 00	
Fuel and oil for lights.....	1,000 00	
Hay, grain and horse-shoeing .....	550 00	
Meals for prisoners at stations .....	1,000 00	
Medical attendance on prisoners .....	200 00	
Belts, badges and other equipments.....	400 00	
Repairs to wagons and harnesses.....	150 00	
Washing bedding.....	250 00	
Telegrams, postage and newspapers.....	280 00	
Water rates and ice. ....	250 00	
Scavengers' services, with two teams .....	600 00	
Insurance .....	100 00	
Deficiency in tax collections and other like contingencies.....	2,500 00	
		<u>\$125,000 00</u>

Respectfully submitted,

SIDNEY D. MILLER,

*President.*

L. R. MESERVE,

*Secretary.*

PROCEEDINGS  
OF THE  
BOARD OF ESTIMATES, APRIL 15, 1878.

AND

ACTION OF THE COMMON COUNCIL, APRIL 16th and 19th, 1878.

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FROM THE SECRETARY OF THE BOARD OF ESTIMATES.

*To the Honorable the Common Council:*

GENTLEMEN—I herewith submit the following as the result of the deliberations of the Board of Estimates, held at its session on April 15, 1878, together with the resolutions adopted.

Respectfully,

LOUIS DILLMANN,  
*Secretary.*

The following is the statement:

BOARD OF ESTIMATES OF THE CITY OF DETROIT.

Statement of amounts approved by the Board of Estimates for the city of Detroit to be raised by taxation for the year 1878, and the fund or purpose for which raised, and of so much of the estimates or amount to be raised by taxation as has been approved by the Board.

This Board refers to the written estimate of the Controller, presented to the Common Council on the 19th day of February, 1878, according to the requirements of the charter, chapter 8, section 5, estimating the amount of taxes, which, in his opinion, it was necessary to raise for the ensuing year, for the purposes of the several funds, and the amount estimated for the purpose of each of said funds, and stating other matters as required by the charter, and to the annual estimates of the various Boards and Commissions of



the city government for the fiscal year 1878, submitted by the Controller with his report.

It also refers to the report of the Committee on Ways and Means of the Common Council made on the 5th of March last, to whom these estimates of the Controller had been submitted, and to the action of the Council thereon, revising or altering said estimates of the Controller, and the Board, having considered said matters required to be submitted and actually submitted to it, makes its statement of the amounts approved by it to be raised by taxation, and the fund or purpose for which raised.

"A."

*Controller's Estimate for General Fund for 1878.*

Salaries, Mayor's office .....	\$2,300 00
Salaries, City Controller's office .....	6,440 00
Salaries, City Clerk's office .....	4,900 00
Salaries, City Treasurer's office .....	7,990 00
Salaries, Receiver of Taxes office .....	8,800 00
Salaries, City Assessor's office .....	11,000 00
Salaries, City Engineer's office .....	6,500 00
Salaries, City Counselor's office .....	2,000 00
Salaries, City Attorney's office .....	3,700 00
Salaries, Board of Public Works office .....	12,780 00
Salaries, Director of Poor's office .....	2,800 00
Salaries, City Collector's office .....	2,340 00
Salaries, Gas Inspector's office .....	1,400 00
Salaries, Clerk of Market's office .....	1,726 00
Salaries, City Physicians and Health Officer .....	2,600 00
Salaries, City Board of Review .....	240 00
Salaries, Aldermen and Messenger .....	4,180 00
Salaries, Board of Health .....	500 00
Salaries, Police Justice and Clerk .....	2,600 00
Salaries, City Accountant .....	1,500 00
Salaries, Poundmasters .....	1,200 00
Salaries, Engineer and Firemen, City Hall .....	1,906 00
Salaries, City Sexton .....	200 00
Salaries, Janitors, City Hall .....	2,510 00
Pay-roll, laborers, for cleaning .....	500 00
Burial of dead animals .....	450 00
Postage .....	250 00
Hardware .....	150 00
Market expenses .....	350 00
Time-keeper and care of clocks .....	300 00
Registration and election expenses .....	5,500 00
Fuel .....	2,000 00
Lithographing maps .....	150 00
Rent of wood market .....	750 00
Furniture and repairs .....	100 00

## CITY CONTROLLER.

229

City directories .....	\$100 00	
Entertainment of visitors .....	2,000 00	
Water and ice .....	350 00	
Watering streets .....	500 00	
Newsboys' badges .....	100 00	
Posting notices .....	25 00	
Indexing Council proceedings .....	300 00	
City Engineer, use of horse .....	320 00	
Printing and stationery .....	15,000 00	
Gas and lamp post fund .....	50,000 00	
Miscellaneous expenses .....	1,000 00	
		<u>\$180,297 00</u>

## ESTIMATED REVENUE.

From rents, fees, licenses and credit balances .....	70,297 00
Amount required .....	<u>\$110,000 00</u>

## STATEMENT.

	Controller's Estimates.		Submitted by Common Council.	Approved by Board of Esti- mates.	Deductions by Board of Esti- mates.
Interest fund .....					
Public sewer fund .....			86,880 00	\$86,880 00	\$90,973 00
City poor fund .....			75,973 00	40,000 00	8,000 00
Public building fund .....			35,000 00	22,000 00	
General road fund .....			69,700 00	"B" * 43,320 00	11,800 00
Road District Fund :					
First Ward .....			2,000 00	2,000 00	
Second Ward .....			1,800 00	1,800 00	
Third Ward .....			1,800 00	1,800 00	
Fourth Ward .....			1,700 00	1,700 00	
Fifth Ward .....			3,500 00	3,500 00	
Sixth Ward .....			3,500 00	3,500 00	
Seventh Ward .....			3,000 00	3,000 00	
Eighth Ward .....			1,800 00	2,000 00	
Ninth Ward .....			3,000 00	3,000 00	
Tenth Ward .....			4,500 00	4,500 00	
Eleventh Ward .....			3,000 00	3,000 00	
Twelfth Ward .....			2,500 00	2,500 00	
Thirteenth Ward .....			2,000 00	2,000 00	
Board of Education Fund:			3,000 00	2,500 00	500 00
School building .....					
Per capita tax .....			40,000 00		
Fire Department fund .....			178,695 00	5,000 00	10,000 00
Metropolitan Police fund .....			111,277 20	178,695 00	
Sinking fund .....			185,000 00	108,000 00	
Superior Court fund .....			5,000 00	115,000 00	10,000 00
Recorder's Court fund .....			13,000 00	5,000 00	
Park improvement fund .....			3,350 00	12,000 00	1,000 00
Market, Eastern District fund .....			3,350 00	3,350 00	
Market, Western District fund .....			2,000 00		2,000 00
General fund .....			9,500 00		9,500 00
Less estimated revenue .....			107,680 00	80,251 15	"C" * 27,428 85
			\$853,718 00	\$733,016 15	\$120,701 85

"B." \* The items constituting the allowance for "General Road fund," approved by this Board, are as follows:

To the payment of this fund the following items are applicable :

Balance on hand .....	\$18,296 88	
Estimated delinquent tax collectible .....	6,703 17	
		\$25,000 00

In order to make full provision for the payment of the several items, and to provide for contingencies, this Board have allowed .....		43,300 00
		<u>\$68,300 00</u>

Wood paving repairs .....	\$10,000 00	
Stone paving repairs .....	3,000 00	
Paving intersections .....	20,000 00	
Paving alleys .....	1,000 00	
Sidewalk intersections, stone .....	4,000 00	
Sidewalk intersections, wood .....	3,000 00	
Cleaning streets, city property .....	1,000 00	
Inspectors of paving .....	1,200 00	
Drinking fountains .....	1,000 00	
Crosswalks and culverts .....	11,700 00	
Repairs and bridges .....	2,000 00	
		<u>\$57,900 00</u>

"C." § The amounts deducted by this Board from the items allowed and submitted by the Common Council, and making the aggregate of the estimates for the several purposes of the general fund, are as shown below :

For Janitor's service .....	\$910 00	
For Assessor's office, clerks .....	1,980 00	
For lighting city, gas and lamp post fund .....	20,000 00	
For registration and election .....	500 00	
For fuel, City Hall .....	397 60	
For watering streets .....	316 00	
For City Directories .....	44 00	
For Receiver of Taxes' office .....	720 00	
For City Engineer's office, extra clerks .....	61 25	
For City Accountant .....	1,500 00	
For entertainment .....	1,000 00	
		<u>\$27,428 85</u>

We certify that the foregoing is the statement of the amount approved by the Board of Estimates for the city of Detroit, adopted April 15th, 1878, by a majority of all the members elect of said Board.

M. I. MILLS,

*President of Board of Estimates.*

LOUIS DILLMANN,

*Secretary Board of Estimates.*

DETROIT, April 16th, 1878.

Ald. Monaghan offered the following:

*Resolved*, That there be assessed, levied and collected on the assessed valuation for the year 1878 of all the real and personal estate within the city of Detroit, made taxable by the laws of the State, in order to defray the expenditures of the several funds, the several amounts as follows :

Interest fund.....	\$86,820 00
Public sewer fund.....	40,000 00
City poor fund.....	22,000 00
General fund.....	80,251 15
General road fund.....	43,200 00
First Ward road fund.....	2,000 00
Second Ward road fund.....	1,800 00
Third Ward road fund.....	1,200 00
Fourth Ward road fund.....	700 00
Fifth Ward road fund.....	3,500 00
Sixth Ward road fund.....	3,000 00
Seventh Ward road fund.....	2,000 00
Eighth Ward road fund.....	3,000 00
Ninth Ward road fund.....	4,500 00
Tenth Ward road fund.....	3,000 00
Eleventh Ward road fund.....	2,500 00
Twelfth Ward road fund.....	2,000 00
Thirteenth Ward road fund.....	2,500 00
Superior Court fund.....	12,000 00
Recorder's Court fund.....	3,350 00
Board of Education fund—per capita tax.....	178,695 00
Board of Education fund—school buildings.....	5,000 00
Fire Department fund.....	108,000 00
Metropolitan Police fund.....	115,000 00
Sinking fund.....	5,000 00
Public building fund.....	2,000 00
<b>Total.....</b>	<b>\$733,016 15</b>

The question was divided, and Ald. Jacob moved to accept so much of the communication as refers to the totals.

Carried.

Ald. Weir moved to accept the balance of the communication.

Carried as follows:

*Yeas*—Ald. Dorr, Ewers, Foster, Finney, Kurtz, Monaghan, Moore, Russell, Schmitt, Taft, Torrey, Weir. Youngblood—13.

*Nays*—Ald. Grosz, Haller, Herrick, Jacob, Karrer, Lauder, Mitchell, Rousseau, Ryan, Senninger and the President—11.

Ald. Monaghan moved to amend by inserting the sum of \$40,000 for the Water Commission, interest and sinking fund.

Carried.

Ald. Herrick moved to lay on the table and print in the proceedings.

Carried.

## ACTION OF THE COMMON COUNCIL, APRIL 19, 1878.

On motion of Ald Monaghan, the following resolution, laid over April 16, was taken from the table:

*Resolved*, That there be assessed, levied and collected on the assessed valuation for the year 1878 of all the real and personal estate within the city of Detroit, made taxable by the laws of the State, in order to defray the expenditures of the several funds, the several amounts as follows:

Interest fund.....	\$88,820 00
Public sewer fund.....	40,000 00
City poor fund.....	22,000 00
General fund.....	80,251 15
General road fund.....	42,200 00
First Ward road fund.....	2,000 00
Second Ward road fund.....	1,800 00
Third Ward road fund.....	1,200 00
Fourth Ward road fund.....	700 00
Fifth Ward road fund.....	3,500 00
Sixth Ward road fund.....	3,000 00
Seventh Ward road fund.....	2,000 00
Eighth Ward road fund.....	3,000 00
Ninth Ward road fund.....	4,500 00
Tenth Ward road fund.....	3,000 00
Eleventh Ward road fund.....	2,500 00
Twelfth Ward road fund.....	2,000 00
Thirteenth Ward road fund.....	2 500 00
Superior Court fund.....	12,000 00
Recorder's Court fund.....	3,350 00
Board of Education fund—per capita tax.....	178,695 00
Water Commission Interest and Sinking fund.....	40,000 00
Board of Education fund—school building.....	5,000 00
Fire Department fund.....	108,000 00
Metropolitan Police fund.....	115,000 00
Sinking fund.....	5,000 00
Public building fund.....	2,000 00
Total.....	<u>\$773,016 15</u>

The resolution was adopted as follows:

*Ayes*—Ald. Dorr, Ewers, Foster, Finney, Guiney, Gross, Haller, Herrick, Jackson, Lauder, Monaghan, Moore, Russell, Rousseau, Ryan, Senninger, Taft, Weir, Youngblood and the President—20.

*Nays*—Ald. Kurtz, Karrer, Schmitt, Torry—4.

STATEMENT OF THE VALUE OF REAL AND PERSONAL PROPERTY OF THE CITY OF DETROIT.—*Taxes Assessed, Etc.*

1878.										
Real.	Personal.	Total.	City Tax.	School.	Highway.	Sewer.	Police.	Total.		
First Ward.....	\$6,743,560	\$2,932,445	\$48,742 84	\$20,228 97	\$2,000 00	\$1,099 00	\$12,664 41	\$84,735 22		
Second Ward.....	9,665,380	8,150,470	89,743 12	37,946 25	1,800 00	802 00	28,319 39	182,915 76		
Third Ward.....	3,894,565	798,435	21,061 70	8,740 94	1,200 00	732 50	5,472 28	37,307 43		
Fourth Ward.....	2,566,305	704,530	16,476 60	6,898 29	700 00	756 00	4,281 31	29,062 30		
Fifth Ward.....	10,725,685	2,127,690	12,853,325	64,748 96	3,500 00	2,651 00	16,822 50	114,594 04		
Sixth Ward.....	8,194,705	1,871,045	10,065,750	50,705 21	3,000 00	2,074 00	13,173 49	89,968 64		
Seventh Ward.....	3,716,315	1,062,670	4,778,985	24,074 11	2,000 00	1,263 50	6,255 17	43,573 87		
Eighth Ward.....	3,358,100	447,725	3,805,825	19,171 72	3,000 00	1,618 50	4,981 30	36,798 05		
Ninth Ward.....	6,118,985	697,590	6,816,575	34,388 13	4,500 00	3,198 50	8,919 23	65,198 67		
Tenth Ward.....	4,938,200	996,970	5,935,170	29,999 02	3,000 00	1,509 50	7,798 59	54,752 17		
Eleventh Ward.....	2,666,375	309,525	14,990 90	6,221 41	2,500 00	1,813 00	3,894 92	29,430 23		
Twelfth Ward.....	2,628,715	590,605	16,217 15	6,730 42	2,000 00	1,372 00	4,214 26	30,533 83		
Thirteenth Ward.....	2,286,260	164,945	12,846 69	5,124 61	2,500 00	2,123 50	3,308 25	25,308 05		
	\$67,022,100	\$20,849,586	\$449,621 15	\$188,695 00	\$31,700 00	\$30,998 00	\$115,000 00	\$794,009 15		







ANNUAL REPORT  
OF THE  
CITY TREASURER  
TO THE  
COMMON COUNCIL  
OF THE  
CITY OF DETROIT.

-----  
FISCAL YEAR ENDING JANUARY 31, 1878.  
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DETROIT:  
FREE PRESS BOOK AND JOB PRINTING HOUSE.

1878.



# ANNUAL REPORT

## OF THE

# CITY TREASURER.

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CITY TREASURER'S OFFICE, }  
DETROIT, January 31, 1878. }

*To the Honorable the Common Council of the City of Detroit :*

GENTLEMEN—In compliance with the provisions of the City Charter, I have the honor to submit the required annual report of the business of this office for the fiscal year ending January 31, 1878:

Amount of cash on hand at the close of the fiscal year ending	
January 31, 1877.....	\$177,258 21
Whole amount received during the fiscal year ending January	
31, 1878.....	1,526,688 77
	<u>\$1,703,946 98</u>
Whole amount paid out during the fiscal year ending January	
31, 1878.....	1,430,178 93
Balance on hand.....	<u>\$273,778 05</u>

The foregoing aggregate amount received from sundry sources, was for the following accounts, viz.:

General Fund.....	\$148,886 37
Fire Commissioners' Fund.....	102,327 00
Board of Education Fund.....	175,397 17
Sinking Fund.....	109,207 32
Suspense Account.....	960 06
Public Sewer Fund.....	133,163 28

General Sewer Fund .....	\$17,881 10
Interest Fund.....	76,044 47
Contingent Fund.....	57,640 21
Street Paving Interest Fund .....	5,419 13
City Poor Fund.....	39,331 11
Public Building Fund.....	2,769 81
Interest on Water Bonds.....	34,925 06
Gas and Lamp Post Fund .....	18 70
Metropolitan Police Fund .....	117,327 71
Police Life and Health Insurance.....	336 01
Superior Court Fund.....	5,908 00
Recorder's Court Fund.....	1,154 50
Police Court—Central Station .....	5,761 00
General Road Fund.....	64,994 41
Road District Fund No. 1.....	1,427 60
Road District Fund No. 2.....	1,356 02
Road District Fund No. 3.....	1,688 78
Road District Fund No. 4 .....	1,984 78
Road District Fund No. 5.....	4,803 94
Road District Fund No. 6.....	5,596 89
Road District Fund No. 7.....	2,244 76
Road District Fund No. 8.....	3,980 64
Road District Fund No. 9.....	7,314 76
Road District Fund No. 10.....	7,340 16
Road District Fund No. 11.....	4,128 46
Road District Fund No. 12.....	4,303 40
Road District Fund No. 13.....	3,995 99
Redemption Fund.....	19,608 29
Interests on Deposits.....	7,419 76
Interests on Special Assessments.....	439 40
City Bids, 1848.....	\$14 09
City Bids, 1849.....	3 76
City Bids, 1850.....	5 48
City Bids, 1851.....	14 56
City Bids, 1852.....	6 65
City Bids, 1853.....	4 06
City Bids, 1854.....	7 48
City Bids, 1855.....	4 80
City Bids, 1856.....	19 51
City Bids, 1857.....	19 33
City Bids, 1858.....	7 67
City Bids, 1859.....	62 22
City Bids, 1860.....	37 92

## CITY TREASURER.

5

City Bids, 1861.....	\$171 06	
City Bids, 1862.....	41 95	
City Bids, 1863.....	162 18	
City Bids, 1864.....	233 24	
City Bids, 1865.....	253 91	
City Bids, 1866.....	291 55	
City Bids, 1867.....	505 64	
City Bids, 1868.....	316 08	
City Bids, 1869.....	1,118 10	
City Bids, 1870.....	498 96	
City Bids, 1871.....	815 48	
City Bids, 1872.....	481 08	
City Bids, 1873.....	1,426 13	
City Bids, 1874.....	2,711 67	
City Bids, 1875.....	17,048 68	
City Bids, 1876.....	7,955 21	
	<hr/>	\$34,289 00
Charges, Advertising Sales .....		200 40
Charges, Advertising and Inspection .....		648 50
Charges, Taxes 1848.....	\$6 39	
Charges, Taxes 1849.....	2 97	
Charges, Taxes 1850.....	6 91	
Charges, Taxes 1851.....	25 49	
Charges, Taxes 1852.....	12 30	
Charges, Taxes 1853.....	8 75	
Charges, Taxes 1854.....	11 60	
Charges, Taxes 1856.....	2 29	
Charges, Taxes 1857.....	21 23	
Charges, Taxes 1858.....	34 15	
Charges, Taxes 1859.....	64 94	
Charges, Taxes 1860.....	30 92	
Charges, Taxes 1861.....	231 39	
Charges, Taxes 1862.....	55 44	
Charges, Taxes 1863.....	223 71	
Charges, Taxes 1864.....	309 87	
Charges, Taxes 1865.....	297 44	
Charges, Taxes 1866.....	309 38	
Charges, Taxes 1867.....	440 22	
Charges, Taxes 1868.....	318 64	
Charges, Taxes 1869.....	439 14	
Charges, Taxes 1870.....	365 98	
Charges, Taxes 1871.....	1,051 88	
Charges, Taxes 1872.....	419 17	

Charges, Taxes 1873.....	\$981 98	
Charges, Taxes 1874.....	1,897 50	
Charges, Taxes 1875.....	4,868 77	
Charges, Taxes 1876.....	1,877 69	
Charges, Taxes 1877.....	1,878 86	
		<hr/>
		\$15,649 50
General City Taxes, 1875.....		275 95
School Taxes, 1875.....		119 51
Highway Taxes, 1875.....		48 01
Sewer Taxes, 1875.....		5 50
Police Taxes, 1875.....		53 26
Percentage, 1875.....		79 01
General City Taxes, 1876.....		16,026 92
School Taxes, 1876.....		5,998 71
Highway Taxes, 1876.....		1,088 71
Sewer Taxes, 1876.....		889 78
Police Taxes, 1876.....		3,606 82
Percentage, 1876.....		14,033 56
Street Paving Sinking Fund.....		109,874 70
Percentage, 1877.....		4,122 77

## LICENSES:

Meat Shops.....	\$1,078 97	
Meat by Quarter.....	827 10	
Auctioneers.....	158 17	
Pawnbrokers.....	1,239 97	
Peddlers.....	1,876 72	
Drays.....	922 22	
Hacks.....	524 07	
Hack Drivers.....	44 00	
Porters and Runners.....	43 00	
Theaters.....	500 00	
Newsboys.....	74 50	
Circuses.....	250 00	
Shows.....	19 50	
Billiards.....	362 75	
Street Cars.....	1,112 50	
Ferries.....	848 31	
Ball Alleys.....	10 83	
Scavengers.....	1 00	
Platform Scales.....	50 00	
		<hr/>
		9,728 61

## CITY HALL MARKET, ETC.:

Stall Rents .....	\$9,160 00	
Wagon Rents .....	2,365 70	
Sale of Calves and Sheep .....	301 41	
Cass Market .....	104 50	
Fish Benches .....	706 00	
		\$12,637 61
City Pound, Eastern District .....		227 75
City Pound, Western District .....		584 90
Hay Scales, Eastern District .....		150 00
Hay Scales, Western District .....		75 00
Wood Market, Eastern District .....		25 00
Sewer Connections .....		469 00
City Deeds .....		14 50
City Collector's Fees .....		2,519 72

## PLANK SIDE AND CROSS WALKS:

No Contractor, 1850 .....	\$4 45	
No Contractor, 1851 .....	2 17	
No Contractor, 1852 .....	2 16	
No Contractor, 1856 .....	1 91	
No Contractor, 1858 .....	75	
		11 44

## PLANK SIDE WALKS:

1859, C. Monaghan, Contractor .....		25
1860, H. Doty, Contractor .....		4 95
1870, M. Henderson, Contractor .....		17 56
1871, Aug. Kalb .....		78 45
1873, Chas. Knaupe, Contractor .....		23 41
1874, Chas. Knaupe, Contractor .....		22 47
1868, Naz. Hill, Contractor .....		29 65
1876, Henry May, Contractor .....		490 99
1876, D. B. Langford, Contractor .....		498 35
1875, J. D. Standish, Contractor .....		113 53
1877, D. B. Langford, Contractor .....		182 43
1877, Joseph McCollum, Contractor .....		318 46
1877, Henry Roeder, Contractor .....		33 13

## STONE SIDE WALKS:

1876, Batchelder, Cook & Co., Contractors .....		157 76
1876, Cobb, Wallace & Law, Contractors .....		835 84
1877, Cobb, Wallace & Law, Contractors .....		382 20
Lateral Sewers, Inspection Fund .....		326 18
Taxes Unclassified, 1876 .....		11,279 07
Taxes Unclassified, 1877 .....		47,950 45
Lateral Sewer Connections, Refunding Rolls .....		317 14



## LATERAL SEWERS:

1869, J. Granger, Contractor.....	\$81 20
1872, Daniel Shanahan, Contractor.....	73 69
1872, P. & D. Shanahan, Contractors .....	63 80
1873, A. & J. A. Stewart, Contractors .....	17 02
1875, D. Sullivan, No. 2, Contractor .....	77 78
1875, M. Henderson, Contractor.....	35 83
1875, Shanahan & McLogan, Contractors .....	172 00
1875, Elwart & Mazaine, Contractors .....	82 08
1876, D. Sullivan, No. 1, Contractor.....	169 62
1876, Chas. Reinfeldt, Contractor .....	1,229 73
1876, B. Youngblood, Contractor.....	800 21
1876, D. Sullivan, No. 2, Contractor.....	21 23
1876, E. R. Kearsley, Contractor.....	62 56
1876, Ferd. Porath, Contractor.....	470 29
1876, Aug. Zander, Contractor .....	346 97
1876, J. & J. Sullivan, Contractors .....	15 73
1876, Jeremiah Connor, Contractor.....	100 35
1876, Dan. Sullivan, No. 1, Contractor.....	1,259 25
1876, Wagner & Dettloff, Contractors.....	1,299 08
1876, John Sullivan, Contractor.. ..	649 82
1876, Henry Horn, Contractor.....	130 37
1876, Uridge & Bristow, Contractors.....	185 25
1876, M. & W. H. Henderson, Contractors.....	63 95
1877, John Wagner, Contractor .....	152 59
1877, Anton Dettloff, Contractor .....	120 92
1877, Frank Elwart, Contractor.....	274 40
1877, M. & W. H. Henderson, Contractors.....	288 29
1877, Charles Reinfeldt, Contractor.....	396 92
1877, A. & J. Dettloff, Contractors .....	433 07
1877, Aug. Zander, Contractor .....	234 85
1877, Wagner & Dettloff, Contractors.....	4 53
1877, Ostrowski & Hildebrandt, Contractors.....	3,729 74
1877, Jeremiah Connor, Contractor.....	82 91
1877, Ferd. Porath, Contractor.....	1,994 44

## PAVING ALLEYS:

1875, A. & J. A. Stewart, Contractors .....	114 91
1876, James Defoe & Co., Contractors .....	22 06
1876, Eugene Robinson, Contractor.....	162 84
1877, James McGonegal, Contractor .....	802 76
1877, Ledbeter & Stewart, Contractors.....	278 15

## PAVING STREETS:

1874, Montcalm street, E. Robinson, Contractor.....	\$28 53
1875, Beaubien street, E. Robinson, Contractor.....	32 57
1875, Clinton avenue, V. Hilsendegen, Contractor.....	77 39
1875, St. Aubin avenue, McGonegal & Dunn, Contractors.....	33 84
1875, Eighteenth street, E. Robinson, Contractor.....	42 37
1875, Eighteenth-and-a-half street, E. Robinson, Contractor...	52 88
1876, Columbia street, Ledbeter & Stewart, Contractors.....	114 62
1876, Fifth street, James McGonegal, Contractor.....	117 05
1876, Grand River avenue, Kaiser & Schneider, Contractors...	260 76
1876, Baker street, Mark Flanigan, Contractor.....	87 64
1876, Chene street, Dubois & Dunn, Contractors.....	158 21
1876, Jones street, Dubois & Dunn, Contractors.....	194 40
1876, Alexandrine avenue, Ledbeter & Stewart, Contractors...	80 96
1876, Farrar street, Eugene Robinson, Contractor.....	54 49
1876, Third avenue, Ledbeter & Stewart, Contractors.....	128 40
1876, Griswold street, Eugene Robinson, Contractor.....	9 61
1876, Fulton street, Ledbeter & Stewart, Contractors.....	54 65
1876, Gratiot avenue, Eugene Robinson, Contractor.....	92 57
1876, Woodbridge street, E. Robinson, Contractor.....	16 57
1876, Macomb street, Kaiser, Schneider & Patrick, Contractors...	206 04
1876, Hastings street, E. Robinson, Contractor.....	9 52
1876, Hastings street, Dubois & Dunn, Contractors.....	123 50
1876, Twelfth street, Ledbeter & Stewart, Contractors.....	163 54
1876, John R street, Kaiser, Schneider & Patrick, Contractors...	124 04
1876, Riopelle street, James McGonegal, Contractor.....	143 15
1876, Congress street, Dubois & Dunn, Contractors.....	231 78
1876, Fourth street, E. Robinson, Contractor.....	243 62
1876, Brainard street, Mark Flanigan, Contractor.....	30 58
1876, Selden street, Wm. J. Nesbitt, Contractor.....	27 64
1876, Rowland street, James McGonegal, Contractor.....	85 36
1877, Bronson street, Ledbeter & Stewart, Contractors.....	69 72
1877, Congress street, Peter Dunn, Contractor.....	975 07
1877, Columbia street, Ledbeter & Stewart, Contractors.....	332 06
1877, Warren avenue, John F. McMillan, Contractor.....	578 55
1877, Duffield street, J. F. McMillan, Contractor.....	607 57
1877, West Park Place, J. F. McMillan, Contractor.....	1,180 22
1877, Griswold street, J. F. McMillan, Contractor.....	731 25
1877, Abbott street, James McGonegal, Contractor.....	1,420 07
1877, Brush street, Ledbeter & Stewart, Contractors.....	647 86
1877, Michigan avenue, E. S. De Golyer, Contractor.....	6,048 45
1877, Michigan avenue, J. F. McMillan, Contractor.....	444 55
1877, Charlotte avenue, James McGonegal, Contractor.....	1,403 88

1877, Maple street, J. F. McMillan, Contractor.....	\$1,651 86
1877, Orleans street, James McGonegal, Contractor.....	500 75
1877, Lewis street, E. Robinson, Contractor.....	1,257 27
1877, Woodward avenue, Ledbeter & Stewart, Contractors....	1,894 95
1877, Randolph street, Peter Dunn, Contractor.....	960 15
1877, Campus Martius, James McGonegal, Contractor.....	178 80
1877, Griswold street, James McGonegal, Contractor.....	48 72
1877, Macomb street, J. F. McMillan, Contractor.....	970 08
1877, Fort street west, T. W. Corby, Contractor.....	3,454 54
1877, Jefferson avenue, Ledbeter & Stewart, Contractors.....	708 06
1877, Second street, Ledbeter & Stewart, Contractors.....	3,204 59
1877, Congress street, Ledbeter & Stewart, Contractors.....	570 44
1877, Campbell street, Ledbeter & Stewart, Contractors.....	715 86
1877, Randolph street, J. F. McMillan, Contractor.....	1,239 83
1877, Parsons street, J. F. McMillan, Contractor.....	709 86
1877, Bates street, James McGonegal, Contractor.....	320 49
1877, Monroe avenue, James McGonegal, Contractor.....	1,524 58
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	<u>\$1,526,688 77</u>

The foregoing aggregate disbursements were from the following funds and accounts, viz.:

General Fund.....	\$130,553 76
Fire Commission Fund.....	115,618 92
Board of Education.....	203,444 88
Sinking Fund.....	166,418 65
Public Sewer Fund.....	101,700 69
General Sewer Fund.....	15,865 44
Interest Fund.....	86,347 50
Contingent Fund.....	28,827 76
Street Paving Interest Fund.....	18,810 02
City Poor Fund.....	37,284 52
Public Building Fund.....	1,695 82
Interest on Water Bonds.....	38,707 16
Park Improvement Fund.....	2,666 24
Printing and Stationery Fund.....	12,240 64
Gas and Lamp Post Fund.....	46,311 87
Metropolitan Police Fund.....	132,702 80
Police, Life and Health Insurance.....	380 56
Superior Court Fund.....	18,929 77
Recorder's Court Fund.....	87 51
Police Court—Central Station.....	5,236 00

General Road Fund .....	\$64,605 57
Road District Fund No. 1.....	2,184 60
Road District Fund No. 2.....	2,215 58
Road District Fund No. 3.....	2,084 44
Road District Fund No. 4.....	1,830 18
Road District Fund No. 5.....	4,271 18
Road District Fund No. 6.....	4,087 98
Road District Fund No. 7.....	2,867 59
Road District Fund No. 8.....	3,180 99
Road District Fund No. 9.....	5,843 12
Road District Fund No. 10.....	5,259 62
Road District Fund No. 11.....	4,177 41
Road District Fund No. 12.....	3,692 98
Road District Fund No. 13.....	3,968 20
Redemption Fund.....	19,595 56
Contractors' Interest Fund.....	302 54
Street Paving Sinking Fund .....	83,515 11
City Pounds, Eastern District.....	157 00
City Pounds, Western District.....	421 26

## PLANK WALKS:

1860, H. Doty, Contractor .....	2 29
1870, M. Henderson, Contractor.....	17 56
1871, Aug. Kalb, Contractor .....	78 45
1873, Chas. Knaupe, Contractor.....	28 41
1874, Chas. Knaupe, Contractor.....	22 47
1876, Henry May, Contractor .....	501 41
1876, D. B. Langford, Contractor .....	539 87
1875, John D. Standish, Contractor.....	161 68
1877, D. B. Langford, Contractor.....	182 43
1877, Jas. McCollom, Contractor .....	281 46
1877, Henry Roeder, Contractor.....	16 17

## STONE SIDE WALKS:

1876, Batchelder, Cook & Co., Contractors.....	157 76
1876, Cobb, Wallace & Law, Contractors .....	885 84
1877, Cobb, Wallace & Law, Contractors.....	382 20
Unclassified Taxes, 1876.....	255 31

## LATERAL SEWERS:

1869, Joseph Granger, Contractor.....	81 20
1872, Daniel Shanahan, Contractor.....	73 69
1872, P. & D. Shanahan, Contractors.....	63 80
1873, A. & J. A. Stewart, Contractors .....	17 02

1875, Daniel Sullivan, No. 2, Contractor.....	\$77 78
1875, M. Henderson, Contractor.....	35 88
1875, Shanahan & McLogan, Contractors.....	172 00
1875, James Cuddy, Contractor.....	350 68
1875, Elwart & Mazaine.....	82 08
1875, Daniel Sullivan, No. 2, Contractor.....	21 23
1875, Daniel Sullivan, No. 1, Contractor.....	169 62
1876, Charles Reinfeldt, Contractor.....	1,361 31
1876, Ber. Youngblood, Contractor.....	906 40
1876, E. R. Kearsley, Contractor.....	62 56
1876, Ferd. Porath, Contractor.....	637 71
1876, Aug. Zander, Contractor.....	341 97
1876, J. & J. Sullivan, Contractors.....	18 65
1876, Jeremiah Connor, Contractor.....	160 55
1876, Daniel Sullivan, No. 1, Contractor.....	1,247 27
1876, Wagner & Dettloff, Contractor.....	1,326 70
1876, John Sullivan, Contractor.....	671 01
1876, Henry Horn, Contractor.....	130 37
1876, Uridge & Bristow, Contractors.....	185 25
1876, M. & W. H. Henderson, Contractors.....	75 83
1877, John Wagner, Contractor.....	146 95
1877, Anton Dettloff, Contractor.....	120 92
1877, Frank Elwart, Contractor.....	258 66
1877, M. & W. H. Henderson, Contractors.....	288 29
1877, Charles Reinfeldt, Contractor.....	374 78
1877, A. & J. Dettloff, Contractor.....	433 07
1877, Aug. Zander, Contractor.....	234 85
1877, Wagner & Dettloff, Contractors.....	4 53
1877, Ostrowski & Hildebrandt, Contractors.....	3,512 06
1877, Jeremiah Connor, Contractor.....	74 98
1877, Ferd. Porath, Contractor.....	1,922 67
Lateral Sewers Connections Refunding Rolls.....	172 13

## PAVING ALLEYS:

1875, A. & J. A. Stewart, Contractors.....	114 91
1876, James Defoe, Contractor.....	22 06
1876, Eugene Robinson, Contractor.....	162 84
1877, James McGonegal, Contractor.....	302 76
1877, Ledbeter & Stewart, Contractors.....	267 87

## PAVING STREETS:

1874, Montcalm street, E. Robinson, Contractor.....	28 53
1875, Beaubien street, E. Robinson, Contractor.....	32 57
1875, Clinton avenue, V. Hilsendegen, Contractor.....	77 39

1875, St. Aubin avenue, McGonegal & Dunn, Contractors.....	\$88 12
1875, Eighteenth street, E. Robinson, Contractor.....	42 37
1875, Eighteenth-and-a-half street, E. Robinson, Contractor...	52 88
1876, Columbia street, Ledbeter & Stewart, Contractors.....	186 91
1876, Fifth street, James McGonegal, Contractor.....	117 05
1876, Grand River avenue, Kaiser & Schneider, Contractors...	260 70
1876, Baker street, Mark Flanigan, Contractor.....	87 04
1876, Chene street, Dubois & Dunn, Contractors.....	210 01
1876, Jones street, Dubois & Dunn, Contractors.....	194 40
1876, Alexandrine avenue, Ledbeter & Stewart, Contractors...	80 96
1876, Farrar street, Eugene Robinson, Contractor... ..	54 49
1876, Third avenue, Ledbeter & Stewart, Contractors.....	128 40
1876, Griswold street, E. Robinson, Contractor.....	9 61
1876, Fulton street, Ledbeter & Stewart, Contractors.....	54 65
1876, Gratiot avenue, E. Robinson, Contractor.....	92 57
1876, Woodbridge street, E. Robinson, Contractor.....	16 57
1876, Macomb avenue, Kaiser, Schneider & Patrick, Contractors,	206 04
1876, Hastings street, E. Robinson, Contractor.....	9 52
1876, Hastings street, Dubois & Dunn, Contractors.....	134 06
1876, Twelfth street, Ledbeter & Stewart, Contractors... ..	231 09
1876, John R street, Kaiser, Schneider & Patrick, Contractors,	124 04
1876, Riopelle street, James McGonegal, Contractor.....	143 15
1876, Congress street, Dubois & Dunn, Contractors.....	279 90
1876, Fourth street, E. Robinson, Contractor.....	242 62
1876, Brainard street, Mark Flanigan, Contractor.....	30 58
1876, Selden street, Wm. J. Nesbitt, Contractor.....	27 64
1876, Rowland street, James McGonegal, Contractor.....	85 36
1877, Bronson street, Ledbeter & Stewart, Contractors.....	69 72
1877, Congress street, Peter Dunn, Contractor.....	950 34
1877, Columbia street, Ledbeter & Stewart, Contractors.....	317 78
1877, Warren avenue, J. F. McMillan, Contractor.....	578 55
1877, Duffield street, J. F. McMillan, Contractor.....	607 57
1877, West Park Place, J. F. McMillan, Contractor.....	1,130 22
1877, Griswold street, J. F. McMillan, Contractor.....	731 25
1877, Abbott street, James McGonegal, Contractor.....	1,420 07
1877, Brush street, Ledbeter & Stewart, Contractors.....	647 86
1877, Michigan avenue, J. F. McMillan, Contractor.....	433 58
1877, Charlotte avenue, James McGonegal, Contractor.....	1,370 28
1877, Michigan avenue, E. S. De Golyer, Contractor.....	6,048 45
1877, Maple street, J. F. McMillan, Contractor.....	1,651 86
1877, Orleans street, James McGonegal, Contractor.....	500 75
1877, Lewis street, E. Robinson, Contractor.....	1,257 57
1877, Woodward avenue, Ledbeter & Stewart, Contractors...	1,394 95

1877, Randolph street, Peter Dunn, Contractor.....	\$960 15
1877, Campus Martius, James McGonegal, Contractor.....	178 80
1877, Griswold street, James McGonegal, Contractor.....	48 72
1877, Macomb street, J. F. McMillan, Contractor.....	970 08
1877, Fort street west, T. W. Corby, Contractor.....	3,454 54
1877, Jefferson avenue, Ledbeter & Stewart, Contractors.....	703 06
1877, Second street, Ledbeter & Stewart, Contractors. ....	3,204 59
1877, Congress street, Ledbeter & Stewart, Contractors .....	570 44
1877, Campbell street, J. F. McMillan, Contractor. ....	715 36
1877, Randolph street, J. F. McMillan, Contractor.....	1,339 33
1877, Parsons street, J. F. McMillan, Contractor.....	709 86
1877, Bates street, James McGonegal, Contractor.....	320 49
1877, Monroe avenue, James McGonegal, Contractor.....	1,524 58
	<hr/>
	<u>\$1,430,173 93</u>

The following embraces all the uncollected taxes now due on past years, as appears from the books in this office :

City Bids, 1846.....	\$56 91
City Bids, 1847.....	8 37
City Bids, 1848.....	47 13
City Bids, 1849.....	66 15
City Bids, 1850.....	19 91
City Bids, 1851.....	13 80
City Bids, 1852.....	2 89
City Bids, 1853.....	17 36
City Bids, 1854.....	52 08
City Bids, 1855.....	211 08
City Bids, 1856.....	269 56
City Bids, 1857.....	1,848 56
City Bids, 1858.....	137 29
City Bids, 1859.....	192 56
City Bids, 1860.....	174 15
City Bids, 1861.....	450 92
City Bids, 1862.....	212 63
City Bids, 1863.....	297 68
City Bids, 1864.....	676 46
City Bids, 1865.....	936 78
City Bids, 1866.....	1,028 96
City Bids, 1867.....	1,066 73
City Bids, 1868.....	1,205 07

City Bids, 1869.....	\$1,695 51	
City Bids, 1870.....	2,153 61	
City Bids, 1871.....	2,136 27	
City Bids, 1872.....	2,589 07	
City Bids, 1873.....	4,873 61	
City Bids, 1874.....	7,591 86	
City Bids, 1875.....	14,984 81	
City Bids, 1876.....	23,037 45	
	<hr/>	\$68,045 22

To which may be added the balance remaining unpaid on taxes of 1875 and 1876, which from causes incidental to assessments on personal property, could neither be collected nor the property sold:

City Taxes, 1875.....	\$7,050 67	
School Taxes, 1875.....	3,157 63	
Highway Taxes, 1875.....	814 67	
Sewer Taxes, 1875.....	7 50	
Police Taxes, 1875.....	1,364 91	
	<hr/>	12,395 38
City Taxes, 1876.....	\$7,296 46	
School Taxes, 1876.....	2,729 30	
Highway Taxes, 1876.....	836 68	
Sewer Taxes, 1876.....	20 14	
Police Taxes, 1876.....	1,648 04	
	<hr/>	12,530 62



To which may also be added the taxes of 1877 remaining unpaid in the hands of the Receiver of Taxes, the following table, showing the appropriation made for each fund for that year, with the amount collected to date, and the balance remaining unpaid on the same, viz.:

NAME OF FUND.	Appropriation.	Amount collected.	Balance unpaid.
General Fund.....	\$115,000 00	\$94,846 18	\$20,153 82
Fire Commission Fund.....	111,635 00	92,009 37	19,565 63
Interest Fund.....	83,625 00	68,971 05	14,653 95
City Poor Fund.....	25,000 00	20,620 32	4,379 68
Sinking Fund.....	5,000 00	4,125 74	874 26
Public Sewer Fund.....	50,000 00	41,236 55	8,763 45
General Road Fund.....	70,000 00	57,731 14	12,268 86
Public Building Fund.....	3,000 00	2,473 78	526 22
Interest on Water Bonds.....	40,000 00	32,989 22	7,010 78
Road District No. 1.....	1,200 00	1,082 33	117 67
Road District No. 2.....	1,000 00	981 00	19 00
Road District No. 3.....	1,100 00	1,057 02	42 98
Road District No. 4.....	1,200 00	1,066 49	133 51
Road District No. 5.....	3,500 00	3,147 90	352 10
Road District No. 6.....	3,000 00	2,627 57	372 43
Road District No. 7.....	1,300 00	1,219 42	80 58
Road District No. 8.....	2,800 00	2,109 21	690 79
Road District No. 9.....	5,000 00	4,025 80	974 20
Road District No. 10.....	3,500 00	2,384 83	1,115 17
Road District No. 11.....	3,000 00	2,199 46	800 54
Road District No. 12.....	3,000 00	2,404 99	595 01
Road District No. 13.....	3,000 00	2,252 20	747 80
Board of Education.....	198,825 60	164,019 95	34,805 65
General Sewer Fund.....	20,304 50	15,207 62	5,096 88
Metropolitan Police.....	135,000 00	111,293 62	23,706 38
Totals.....	\$889,990 10	\$732,142 76	\$157,847 34

There also remain unpaid the Fire and Marine, and Life and Accident Insurance Taxes for the years 1871 and 1872, as per the last annual report of the Treasurer, viz.:

Fire and Marine Insurance Tax, 1871.....	\$2,099 92
Life and Accident Insurance Tax, 1871.....	1,779 90
Fire and Marine Insurance Tax, 1872.....	4,837 94
Life and Accident Insurance Tax, 1872.....	1,789 97
Total Insurance Taxes.....	<u>\$10,507 73</u>

## Recapitulation of the foregoing uncollected taxes:

City Bids, 1846 to 1876, inclusive.....	\$68,045 22
Personal Taxes, 1875.....	12,895 38
Personal Taxes, 1876.....	12,580 62
Taxes unpaid of 1877, in hands of Receiver of Taxes.....	157,847 34
Insurance Taxes of 1871 and 1872.....	10,507 73
Total amount Uncollected Taxes .....	<u>\$261,326 29</u>

Total Tax Levy, 1875 .....	\$1,104,515 34
Total Tax Levy, 1876 .....	971,928 68
Total Tax Levy, 1877 .....	889,990 10
Percentage uncollected, 1875, except city bids, $1\frac{22}{100}\%$ per cent, probably worthless.	
Percentage uncollected, 1876, except city bids, $1\frac{22}{100}\%$ per cent, probably worthless.	
Percentage uncollected, 1877, to date, $17\frac{77}{100}\%$ per cent.	

The Sinking Fund has now on hand the following assets, viz.:

Public Building Stock, city of Detroit, issued for the House of Correction.....	\$40,000 00
Refunding Bond, city of Detroit.....	1,000 00
Public Sewer Bond, city of Detroit.....	100,000 00
Public Sewer Bond, city of Detroit.....	40,000 00
Bonds of the Street Paving Loan.....	36,780 55
Notes of H. P. Bridge, Controller, issued for temporary loans to sundry funds.....	20,100 00
Credit Ledger Balance, including transfer of part of Contin- gent Fund.....	146,976 31
	<u>\$384,856 86</u>
Showing an increase during the past fiscal year of.....	<u>85,456 48</u>

The following accounts, the credit balances of some of which are of long standing on the books, and on which no claims have been presented, were transferred to the Sinking Fund at the close of the fiscal year and thereby rendered available for the objects of that fund, viz.:

Stone Pound Fund.....	\$2,477 14
House of Correction Fund.....	228 54
Plank Walks, no Contractor, etc.....	11 69
Persons unknown.....	956 29
Lateral Sewer connections, refunding rolls in part .....	1,500 00
Total of the above transferred.....	<u>\$5,173 66</u>

One hundred and sixty-four bonds of the Street Paving Loan, amounting in all to \$129,254.94, have been paid from the Street Paving Sinking Fund during the above period. Of these bonds, \$18,519.35 were held by the Commissioners of the Sinking Fund, \$76,066.73 by the Street Paving Fund, and \$34,688.86 were presented by various individual holders.

All the above bonds have been duly cancelled in the presence of the City Controller and a special committee of the Common Council, in accordance with the requirements of the Charter.

The foregoing is a full and detailed statement of all the receipts and disbursements, as shown by the books of this office, since the date of the last annual report of the Treasurer, and said receipts are classified by the funds to which such receipts are credited, and said disbursements by the funds out of which they were paid; to which statement is herewith appended a schedule of ledger balances, showing the condition of the various funds and accounts at the end of the fiscal year just closed.

NOTE.—In connection with these balances, it may be proper to state that in accordance with changes made during the past year in the system of keeping account with the various appropriation funds on the books of the City Treasurer, the balance of every such fund is the actual cash balance, the amount of the uncollected appropriation being shown on the same schedule, under the head of uncollected appropriation of each fund.

WM. PARKINSON,  
*City Treasurer.*

## BALANCE SHEET,

Showing the Ledger Balances of William Parkinson, City  
Treasurer, January 31st, 1878.

	Dr.
Strong Box Deposit Account.....	\$305,194 19
Cash Account.....	278,773 05
Suspense Account.....	7,661 16
Redemption Loans Account.....	82,000 00
Berthelet Market Loans.....	400 00
House of Correction Loans.....	100,000. 00
New City Hall Loan.....	600,000 00
General Loan Account.....	20,100 00
Street Paving Loan.....	179,843 35
Public Sewer Loan.....	480,000 00
Interest Fund.....	7,872 43
Street Paving Interest Fund.....	24,019 97
Bills Receivable.....	61 63
Real Estate Account.....	1,200 00
Road District Fund No. 1.....	5 37
Treasurer of Wayne County.....	10,373 25
Receiver of Taxes, Special Assessment Rolls.....	6,005 98
Receiver of Taxes, Bond Paving Rolls.....	116,919 91
Taxes Remitted.....	2,373 85
Redemption of City Bids.....	161 92
City Bids, 1846.....	\$56 91
City Bids, 1847.....	8 37
City Bids, 1848.....	47 13
City Bids, 1849.....	66 15
City Bids, 1850.....	19 91
City Bids, 1851.....	13 80
City Bids, 1852.....	2 89
City Bids, 1853.....	17 36
City Bids, 1854.....	52 08
City Bids, 1855.....	211 08
City Bids, 1856.....	269 56

City Bids, 1857.....	\$1,848 56	
City Bids, 1858.....	187 29	
City Bids, 1859.....	192 56	
City Bids, 1860.....	174 15	
City Bids, 1861.....	450 92	
City Bids, 1862.....	212 63	
City Bids, 1863.....	297 68	
City Bids, 1864.....	676 46	
City Bids, 1865.....	936 78	
City Bids, 1866.....	1,028 96	
City Bids, 1867.....	1,066 73	
City Bids, 1868.....	1,205 07	
City Bids, 1869.....	1,695 51	
City Bids, 1870.....	2,153 61	
City Bids, 1871.....	2,136 27	
City Bids, 1872.....	2,589 07	
City Bids, 1873.....	4,873 61	
City Bids, 1874.....	7,581 86	
City Bids, 1875.....	14,984 81	
City Bids, 1876.....	23,037 45	
		<hr/>
		\$68,045 22
Percentages, 1864 to 1870.....		36 75
General City Taxes, 1864.....	\$2 33	
General City Taxes, 1865.....	6 35	
General City Taxes, 1866.....	21 09	
General City Taxes, 1867.....	79 70	
General City Taxes, 1868.....	34 89	
General City Taxes, 1869.....	167 87	
General City Taxes, 1870.....	7 91	
		<hr/>
		320 14
Fire and Marine Insurance Taxes, 1871.....	2,099 92	
Life and Accident Insurance Taxes, 1871.....	1,779 90	
Fire and Marine Insurance Taxes, 1872.....	4,837 94	
Life and Accident Insurance Taxes, 1872.....	1,769 97	
City Taxes, uncollected, 1875.....	7,050 67	
School Taxes, uncollected, 1875.....	3,157 63	
Highway Taxes, uncollected, 1875.....	814 67	
Sewer Taxes, uncollected, 1875.....	7 50	
Police Taxes, uncollected, 1875.....	1,364 91	
City Taxes, uncollected, 1876.....	7,296 46	
School Taxes, uncollected, 1876.....	2,729 30	
Highway Taxes, uncollected, 1876.....	886 68	
Sewer Taxes, uncollected, 1876.....	20 14	

Police Taxes, uncollected, 1876.....	\$1,648 04
General Tax Appropriation, 1877, uncollected.....	157,847 34
George W. Burchell, Collector.....	50 00
William Cook, Collector.....	4 77
Paving, 1859.....	306 81
	<hr/>
	\$2,479,510 82
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	CR.
General Fund.....	\$4,461 66
Fire Commissioners' Fund.....	37,621 44
Board of Education.....	16,240 97
Sinking Fund Bond Account.....	237,880 55
Street Paving Sinking Bond Account.....	67,813 64
Public Sewer Fund.....	2,498 81
Sinking Fund.....	146,976 81
General Sewer Fund.....	7,877 61
Outstanding City Bonds.....	1,262,400 00
Outstanding Street Paving Bonds.....	179,348 35
Contingent Fund.....	557 89
City Poor Fund.....	6,859 83
Public Building Fund.....	1,868 34
Bills Payable.....	20,100 00
Street Opening Fund.....	7,016 68
Interest on Water Bonds.....	3,192 20
Metropolitan Police Fund.....	9,000 45
Police Life and Health Insurance.....	825 02
Police Court, Central Station.....	725 00
General Road Fund.....	18,296 88
Road District Fund No. 2.....	351 04
Road District Fund No. 3.....	286 70
Road District Fund No. 4.....	409 31
Road District Fund No. 5.....	860 47
Road District Fund No. 6.....	1,145 95
Road District Fund No. 7.....	126 17
Road District Fund No. 8.....	554 51
Road District Fund No. 9.....	647 62
Road District Fund No. 10.....	579 24
Road District Fund No. 11.....	32 50
Road District Fund No. 12.....	452 41
Road District Fund No. 13.....	99 00
Redemption Fund.....	2,381 38

Liquor Assessment Rolls, 1877 .....	10,373 25
Special Assessment Rolls .....	6,005 98
Bond Paving Rolls .....	116,919 91
Fire and Marine Insurance Fund .....	69,87 86
Life and Accident Insurance Fund .....	3,569 87
Contractors' Interest Fund .....	275 21
Aggregate City Bids, uncollected .....	68,045 22
Street Paving Sinking Fund .....	37,173 32
Uncollected Appropriation, 1875 .....	12,395 38
Uncollected Appropriation, 1876 .....	12,580 62
1877, Uncollected General Fund Appropriation .....	20,153 82
1877, Uncollected Fire Commissioners' Fund Appropriation ..	19,565 63
1877, Uncollected Interest Fund Appropriation .....	14,653 95
1877, Uncollected City Poor Fund Appropriation .....	4,379 68
1877, Uncollected Sinking Fund Appropriation .....	874 26
1877, Uncollected Public Sewer Fund Appropriation .....	8,763 45
1877, Uncollected General Road Fund Appropriation .....	12,268 86
1877, Uncollected Public Building Fund Appropriation .....	526 22
1877, Uncollected Water Bonds Interest Fund Appropriation ..	7,010 78
1877, Uncollected Road District No. 1 Appropriation .....	117 67
1877, Uncollected Road District No. 2 Appropriation .....	19 00
1877, Uncollected Road District No. 3 Appropriation .....	42 98
1877, Uncollected Road District No. 4 Appropriation .....	133 51
1877, Uncollected Road District No. 5 Appropriation .....	352 10
1877, Uncollected Road District No. 6 Appropriation .....	372 43
1877, Uncollected Road District No. 7 Appropriation .....	80 58
1877, Uncollected Road District No. 8 Appropriation .....	690 79
1877, Uncollected Road District No. 9 Appropriation .....	974 20
1877, Uncollected Road District No. 10 Appropriation .....	1,115 17
1877, Uncollected Road District No. 11 Appropriation .....	800 54
1877, Uncollected Road District No. 12 Appropriation .....	595 01
1877, Uncollected Road District No. 13 Appropriation .....	747 80
1877, Uncollected School Taxes Appropriation .....	34,805 65
1877, Uncollected Sewer Taxes Appropriation .....	5,096 88
1877, Uncollected Police Taxes Appropriation .....	23,706 38

## PLANK WALKS:

1860, H. Doty, Contractor .....	2 66
1868, N. Hill, Contractor .....	29 65
1877, Joseph McCollum, Contractor .....	37 00
1877, Henry Roeder, Contractor .....	16 96
Lateral Sewers Connections Refunding Rolls .....	472 05

## LATERAL SEWERS:

1875, John Sullivan, Contractor.....	15
1876, Daniel Sullivan, No. 1, Contractor.....	80 96
1877, John Wagner, Contractor.....	5 64
1877, Frank Elwart, Contractor.....	15 74
1877, Charles Reinfeldt, Contractor.....	22 14
1877, Ostrowski & Hildebrandt, Contractors.....	217 68
1877, Jeremiah Connor, Contractor.....	7 93
1877, Ferdinand Porath, Contractor.....	71 77

## PAVING STREETS:

1860, Rivard street.....	11 51
1875, Ninth avenue, E. Robinson, Contractor.....	524 51
1875, Woodward avenue, E. Robinson, Contractor.....	223 17
1875, Brady street, E. Robinson, Contractor.....	122 48
1875, Baker street, E. Robinson, Contractor.....	242 44
1875, Fort street and Campus Martius, Detroit City Paving Co., Contractor.....	55 20
1877, Congress street, Peter Dunn, Contractor.....	24 73
1877, Columbia street, Ledbeter & Stewart, Contractors.....	14 30
1877, Michigan avenue, J. F. McMillan, Contractor.....	10 97
1877, Charlotte avenue, James McGonegal, Contractor.....	33 60

## PAVING ALLEYS:

1877, Ledbeter & Stewart, Contractors.....	10 28
Royalty Account, 1875.....	12,260 81

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\$2,479,510 82

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WM. PARKINSON,  
*City Treasurer.*



The following statement shows the amount of City Bids from 1846 to 1870, with interest thereon, collected by the extra help employed in this office for that purpose, from March last to January 31st, 1878. The total amount collected with and without such help for the whole year amounts to \$7,109.95, of which sum \$3,800.80 is City Bids, and \$3,229.15 is interest, and the above statement shows that an increase of \$3,310.50 of City Bids, and \$3,160.27 interest, has been made in the collections for the year, at an extra expense to the city of about \$830.

City Bids, 1848.....	\$30 48
City Bids, 1849.....	6 78
City Bids, 1850.....	15 53
City Bids, 1851.....	42 22
City Bids, 1852.....	21 11
City Bids, 1853.....	18 41
City Bids, 1854.....	19 08
City Bids, 1855.....	4 80
City Bids, 1856.....	46 81
City Bids, 1857.....	40 56
City Bids, 1858.....	16 81
City Bids, 1859.....	116 09
City Bids, 1860.....	72 53
City Bids, 1861.....	428 98
City Bids, 1862.....	94 36
City Bids, 1863.....	388 92
City Bids, 1864.....	533 51
City Bids, 1865.....	560 95
City Bids, 1866.....	620 36
City Bids, 1867.....	939 08
City Bids, 1868.....	611 64
City Bids, 1869.....	1,018 03
City Bids, 1870.....	828 78
Total City Bids .....	\$3,310 50
Total Interest .....	3,160 27
Total City Bids and Interest .....	\$6,470 77
Total amount of City Bids and Interest collected for the years 1871 to 1876, inclusive.....	36,860 12

THIRTY-FIFTH ANNUAL

REPORT

OF THE

Board of Education

OF THE

CITY OF DETROIT

FOR THE YEAR 1877.



DETROIT:

POST AND TRIBUNE BOOK AND JOB PRINTING ESTABLISHMENT.

1878.

# BOARD OF EDUCATION

OF THE

## CITY OF DETROIT.

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### OFFICERS FOR THE YEAR 1877.

FREEMAN NORVELL,	<i>President.</i>
SAM'L E. PITTMAN,	<i>Secretary.</i>
ALBERT IVES,	<i>Treasurer.</i>
JOHN M. B. SILL,	<i>Superintendent of Schools.</i>

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### MEMBERS OF THE BOARD FOR 1877.

GEORGE W. BALCH,	1 Stimson Block.
WILLIAM BOND,	197 Woodward avenue.
ANDREW BORROWMAN,	133 Jefferson avenue.
ANDREW J. BROW,	102 Woodward avenue.
A. C. BURT,	Foot of First street.
J. H. CARSTENS,	21 Macomb street.
A. CHESEBROUGH,	Foot of Second street.
JOHN CONSIDINE,	383 Sixth street.
JOHN DICK,	335 Fourteenth avenue.
FRANK FOLSOM,	114 Griswold street.
JOSEPH FUNKE,	125 Macomb street.
F. S. GIRARDIN,	513 Maple street,
CHARLES A. KENT,	18 Moffat Building.
WM. N. LADUE,	City Hall.
SYLVESTER LARNED,	No. 3 Telegraph Block.
JOHN T. LIGGETT,	Mich. Mutual Life Ins. Co.
HENRY F. LYSTER,	353 Jefferson avenue.
THOMAS MCGRATH,	498 Grand River avenue.
JOSEPH NICHOLSON,	414 Lafayette avenue.
FREEMAN NORVELL,	94 Griswold street.
HERMANN REIF,	134 Gratiot avenue.
ROBERT E. ROBERTS,	596 Jefferson avenue.
WM. Y. RUMNEY,	Board of Trade.
ADAM SIMPSON,	311 Montcalm street, east.
C. K. TROMBLY,	594 Gratiot avenue.
ANTHONY VALENTINE,	97 Jay street.
P. J. VAN DYKE, (to fill vacancy) .	22 Seitz Block.
H. G. JONES, (to fill vacancy) .	14 Lafayette street, east.

# STANDING COMMITTEES

FOR THE YEAR 1877.

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*On Teachers and Course of Study :*

INSPECTORS BALCH, \*RUMNEY, CARSTENS, McGRATH,  
AND SIMPSON.

*On Schools, Text Books, and School Supplies :*

INSPECTORS NICHOLSON, LYSTER, TROMBLY, KENT,  
AND REIF.

*On Public Library :*

INSPECTORS ROBERTS, LYSTER, LADUE, KENT,  
AND BORROWMAN.

*On Finance :*

INSPECTORS LIGGETT, McGRATH, BURT, CONSIDINE,  
AND FOLSOM.

*On Property of the Board :*

INSPECTORS DICK, BOND, VALENTINE, CHESEBROUGH,  
AND BORROWMAN

*On New School Sites and New School Buildings :*

INSPECTORS GIRARDIN, LARNED, VALENTINE, BURT,  
AND \*RUMNEY.

*On School House Supplies and Janitors :*

INSPECTORS FUNKE, BOND, CONSIDINE, BROW,  
AND TROMBLY.

*Special Standing Committee on Military Instruction.*

INSPECTORS LARNED,\* LADUE AND CARSTENS.

\*NOTE.—To fill vacancies caused by the death of Inspector Rumney, Inspector Van Dyke was added to Committees on Military Instruction, and New School Sites and New School Buildings, and Inspector Ladue to Committee on Teachers and Course of Study. Upon the election of Inspector Jones to succeed Inspector Van Dyke, Inspector Jones was added to the Committees on Military Instruction, and New School Sites and New School Buildings.

# BOARD OF EDUCATION

## OF THE CITY OF DETROIT.

### OFFICERS FOR THE YEAR 1878.

FREEMAN NORVELL,	<i>President.</i>
SAM'L E. PITTMAN,	<i>Secretary.</i>
ALBERT IVES,	<i>Treasurer.</i>
JOHN M. B. SILL,	<i>Superintendent of Schools.</i>

### MEMBERS OF THE BOARD FOR 1878.

		TERM EXPIRES
A. C. BURT,	Foot of First street,	January 1880
A. BORROWMAN,	133 Jefferson avenue,	" 1879
ANDREW J. BROW,	102 Woodward avenue,	" 1879
ADAM E. BLOOM,	15 and 15½ Telegraph Block,	" 1880
A. CHESEBROUGH,	Foot of Second street,	" 1879
JOHN CONSIDINE,	383 Sixth street,	" 1879
JOHN DICK,	335 Fourteenth avenue,	" 1879
RICHARD DO RAN,	Jefferson ave. and Griswold street,	" 1880
JOSEPH FUNKE,	125 Macomb street,	" 1879
FRANK FOLSOM,	114 Griswold street	" 1879
MICHAEL FIRNANE,	No. 1 Mechanics' Block	" 1880
HORATIO G. JONES,	14 Lafayette street, east.	" 1879
CHAS. A. KENT,	18 Moffat Building,	" 1879
WM. N. LADUE,	City Hall,	" 1879
SYLVESTER LARNED,	No. 3 Telegraph Block,	" 1880
FREEMAN NORVELL,	94 Griswold street,	" 1879
J. NICHOLSON,	414 Lafayette avenue,	" 1880
JAMES O'NEIL,	782 Congress street, east,	" 1880
HERMANN REIF,	134 Gratiot avenue	" 1880
ROBERT E. ROBERTS,	596 Jefferson avenue,	" 1880
ADAM SIMPSON,	311 Montcalm street, east,	" 1879
JOHN J. SPEED,	22 and 23 Moffat Building	" 1880
J. S. SCHMITTDIEL,	Wayne County Savings Bank,	" 1880
CHARLES K. TROMBLY,	594 Gratiot avenue	" 1880
ANTHONY VALENTINE,	97 Jay street	" 1879
P. J. D. VAN DYKE,	22, 24 and 26 Seitz Block,	" 1880

# STANDING COMMITTEES

FOR THE YEAR 1878.

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*On Teachers and Course of Study :*

INSPECTORS LADUE, KENT, VAN DYKE, FOLSOM,  
AND SPEED.

*On Schools, Text Books, and School Supplies :*

INSPECTORS NICHOLSON, REIF, LARNED, SIMPSON,  
AND O'NEIL.

*On Public Library :*

INSPECTORS ROBERTS, KENT, BORROWMAN,  
CHESEBROUGH, AND SCHMITTDIEL.

*On Finance :*

INSPECTORS BURT, CONSIDINE, FOLSOM, JONES,  
AND FIRNANE.

*On Property of the Board :*

INSPECTORS DICK, LARNED, VALENTINE, JONES,  
AND DO RAN.

*On New School Sites and New School Buildings :*

INSPECTORS BROW, CONSIDINE, TROMBLY, REIF,  
AND SIMPSON.

*On School House Supplies and Janitors :*

INSPECTORS FUNKE, BORROWMAN, VALENTINE,  
BLOOM AND TROMBLY.



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**REPORT OF THE PRESIDENT.**

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# REPORT OF THE PRESIDENT.

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DETROIT, January 14th, 1878.

*To the Board of Education of the City of Detroit.*

GENTLEMEN :—In accordance with law I respectfully submit the required annual report of the affairs of the Board of Education. It is accompanied by the report of the Secretary, Superintendent of Schools, and of the various committees, which set forth so amply and in such detail the operations and standing of every department in the control of the board, that it is not necessary to more than summarize and refer to them.

I congratulate the Board upon its present financial situation. It will be seen that notwithstanding the cutting off of our resources by the Board of Estimates \$10,000, which only left us \$30,000 of new taxes and an estimate of a possible collection of \$6,000 of back taxes, with which to pay over \$31,000 of debt, and interest on debt, handed down to this board by its predecessors, and out of which also to pay our current expenses for the year, we have already in the first six months of our fiscal year, paid all the debt, except \$5,000, on the bond, and all the interest, and purchased four lots and paid for them, for new school purposes, and have paid all expenses to January 1. We have a balance which justifies the expectation that by the end of the fiscal year the entire debt and claims against the building fund will be extinguished.

The aggregate balance of funds on hand, exclusive of Library fund, was, January 1, 1877, \$54,279 92.

The liabilities then already incurred, as per report of the president, were \$29,700, on Building fund account. This estimate of debt proved near \$2,000 short of what has had actually to be paid, viz., \$31,595 12, on account of Building fund debt, costs, and interest.

The aggregate of balance on hand, exclusive of Library fund was January 1, 1878, \$58,269 11. The entire liability on Building fund account outstanding is \$6,000 exclusive of interest, and there is cash balance to the credit of this fund of \$1,214 69, leaving \$4,785 31 as the Building fund debt above resources.

The balance to credit of Library fund on the 1st of

January, 1877, was . . . . .	\$37,855 37
Receipts during 1877 . . . . .	14,322 87
Total . . . . .	\$52,178 24
Expenditures in 1877 . . . . .	35,144 63
Aggregate of balance on hand . . . . .	\$17,033 61
Being for Library fund proper . . . . .	16,345 89
Library Building fund . . . . .	687 72

And no outstanding debt on either account on January 1, 1878. Of the expenditures in 1877, \$17,866 18 was from the Library Building fund.

While this has been accomplished, we could, of course, do nothing toward increasing the permanent school accommodations. The lots purchased in the Thirteenth Ward to complete the ground for a school building there are all that has been possible, except the renting of rooms, one in the Eleventh and one in the Thirteenth Wards, which accommodate about 170 pupils.

With so large and rapidly increasing a school population as that in Detroit, it is a necessity that accommodations for from 500 to 1,000 pupils should be added each year. To omit this is only to pile up additional burthen on a subsequent year, added to the loss of a year of school life to a large number of the children of our people. This is certainly not wise policy nor true economy.

The school census for 1877 gave 35,739, being an increase of 567 over the preceeding year.

The number of applicants for admission at the opening of the school year, 12,296, was 650 in excess of that of the preceeding year. The number actually seated is 11,147.

The membership now averages 11,075, of whom 177 are in the rented rooms.

A large additional number would have applied but for the knowledge that the schools were full.

The report of the Superintendent, in this connection, gives very valuable suggestions and statistics. They fully confirm the views I submit as to the correct public policy in this matter.

The very full and able reports of the Finance Committee, and of the Secretary, show the gratifying condition of our funds, and of your administration of them. The anticipated result, on June 30, 1878, of a balance on hand in each and every fund, and no outstanding debt whatever, will mark an era in the educational affairs of Detroit, where, with the system at its highest standard of usefulness, there will be no financial incumbrances in the way of its proper expansion to meet the public school necessities.

The Library Committee report shows a proper administration of that very important branch of our responsibility. I refer to it of figures and statistics, and fully concur with it in its recommendations.

In this connection it is proper for me to refer to a matter which has received anxious consideration, and on which a committee report has just been made to this Board. I refer to the policy of transferring the care and custody of the Library and its funds to a commission, and thus removing it beyond the supervision of this Board. While there may arise circumstances when this may be done prudently and to the advantage of all concerned, those circumstances do not, in my opinion, now exist, and, on the contrary, under the very loose and imperfect legislation that now authorizes such a transfer, in the discretion of the Board, I should regard it as a very unwise and imprudent action.

I beg also to call attention to the uninsured condition of our public property. Early in the year the policy of discontinuing fire insurance was referred to and reported adversely by a committee. When the time came for renewing our policies, the matter of renewal was quite suddenly and indefinitely postponed. No insurance could therefore be renewed. I do not regard this as safe or wise policy. This Board has estimated for and received for three years the necessary taxation to renew this insurance when it expired. The public, when its representatives granted this taxation, recognized the pro-

priety and wisdom of thus protecting its property. The funds to do it are on hand, and are not properly applicable to any other purpose. This Board has no capital, nor any insurance business whose premiums would enable it to promptly meet losses. It is not an insurance company in any sense, and has none of the advantages that sound insurance companies have. It cannot meet losses without going through all the delay and machinery unavoidable in relying upon taxation, and this involves special and peculiar loss of time and detriment to the public in the vitally important matter of the education of its children. I recommend early and earnest consideration of this highly important matter.

It having come to the knowledge of this Board that an attempt was being made in the last State Legislature to reorganize it, and that too in a manner to revolutionize it, a committee was appointed to consider the matter. It made a report strongly adverse to any such measure, which was substantially adopted by the Board and ordered to be sent by the Secretary to the members of the Legislature. Also, the president of this Board was ordered, if necessary, to go to Lansing and use proper efforts that no legislation be effected to that end. A very brief correspondence with some of the members showed me that such a project was unfavorably looked on in the Legislature, and that no further exertion was necessary in order to defeat it.

The reports of the other committees give the details of the work accomplished during the year in their departments, and I respectfully refer to them. As they will be published with this report for the inspection of the public, I deem it unnecessary to summarize them. From them, and from a view of the proceedings of this board, I can congratulate it upon a most successful year's work—efficient, progressive and economical—evincing the individual interest taken by every member of the Board in its affairs, and thus insuring a scrutiny and care that have conduced to the great advantage of the schools and of the public in that connection.

In the execution of the duties devolved upon me, I must acknowledge the great assistance and advantages I have derived from those experienced and efficient officers, the Secretary and the Superintendent of Schools. To these officials the Board, as well

as myself, are indebted for much labor saved, and many valuable suggestions, in their respective departments, as well as in the general management of everything pertaining to the schools.

In retiring I return thanks to the Board collectively and individually, for their official courtesy and consideration during my term of office.

FREEMAN NORVELL, *President.*



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**REPORT OF THE SECRETARY.**

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# REPORT OF THE SECRETARY.

DETROIT, January 14th, 1878

To the Board of Education :

The following financial information is submitted :

Total city taxes for the year 1877.....	\$889,990 10
Per capita tax for school purposes for 1877 on school census of 1876, 35.172 at \$4 80.....	168,825 60
Taxes for school buildings for 1877, chiefly to pay arrearages of former years.....	30,000 00
Balance in hands of the treasurer of the Board, January 1, 1877, for school purposes.....	54,265 19
Receipts during 1877 for school purposes.....	187,796 69
Total school expenses for the year 1877.....	185,007 46
Balance in hands of the treasurer, January 1, 1878, for school purposes.....	57,054 42
Balance on hand January 1, 1877, for building purposes.....	14 73
Receipts during 1877 on building fund.....	29,406 61
Total expenditure from building fund during 1877.....	28,206 65
Balance on hand January 1, 1878, in building fund.....	1,214 69
Balance of \$15,000 building loan of 1876 to be paid.....	5,000 00
Old bonds supposed to be lost.....	700 00
Total cost of school property to January 1, 1878.....	633,716 04
Per capita taxes for school purposes prior to 1875, uncollected at January 1st, 1878.....	14,618 06
Same for year 1875 (about 2 9-10 per cent. of tax.....	4,586 49
Same for year 1876 (about 3 9-10 per cent. of tax).....	6,694 13
Same for year 1877.....	42,435 68
Taxes prior to 1875 for school buildings uncollected at January 1st, 1878.....	2,667 85
Same for year 1875 (about 2 9-10 per cent.).....	2,078 37
Same for year 1876 (about 3 9-10 per cent.).....	780 32
Same for year 1877.....	7,695 89

Taxes for Public Library building uncollected at January 1, 1878, (about 2 64-100 per cent. of tax).....	3,303 66
School census for 1877.....	35,739

The business affairs of the Board are proceeding systematically and with efficiency, and full details thereof are reported at each regular meeting of the Board.

The following statement shows where the expenditure for repairs has been applied during the past year, and on account of exceedingly low prices for labor and material now prevailing, together with judicious management, the Board has reaped a large benefit from such expenditure.

At Barstow School.....	\$720 50
At Bishop School.....	4,225 66
At Duffield School.....	927 30
At Franklin School.....	672 69
At Houghton School.....	344 31
At High School, on new part.....	1,235 00
At High School, on old part.....	2,442 65
At Lincoln School.....	293 44
At Washington School.....	787 07
At Abbott School.....	14 81
At Clay School.....	71 29
At Everett School.....	186 30
At Fort Street East School.....	97 60
At Jackson School.....	66 80
At Jefferson School.....	188 58
At Pitcher School.....	114 93
At Tappan School.....	200 51
For ash bins.....	336 10
	<hr/>
	\$12,925 54

For outside doors.....	890 05
At Cass School.....	207 95
At Clinton School.....	140 43
At Campbell School.....	27 35
At Irving School.....	138 50
At Miami Avenue School.....	7 28
At Trowbridge School.....	90
At Third Ward School.....	3 90
At Thompson Street School.....	25 64
At Wilkins School.....	119 36

At Webster School.....	526 90
At St. Aubin Avenue Primary School.....	257 89
At Hastings Street Primary School.....	120 50
For nails, glass, putty, trimmings, cartage, labor in shop, etc.....	445 13
For J. J. Martin's bill, 1875-76.....	69 32
For evening schools, 1876-77.....	13 77
<b>Total.....</b>	<b>\$15,920 41</b>

One third of the number of school buildings is now in excellent condition, and an equal expenditure during next vacation will place another third in like condition. If the plan adopted the past year, of putting that proportion of the property in full repair each year should be continued, the year 1879 will find the entire property of the Board thoroughly renovated and very considerably improved.

The attention of the Board is invited to the fact that a large number of stoves are giving out, and that a considerable expenditure in replacing such will be required during the coming year. It may not be amiss therefore to enquire whether it would not be better economy to invest in steam apparatus, or some of the improved furnace heaters and ventilators, instead of stoves, introducing such appliances into two or three buildings each year, commencing, say, with the Franklin, Duffield and Webster. In so doing a number of serviceable stoves will be relieved, which will be available to take the places from time to time of failing stoves at such buildings as may still be warmed by stove heat, and steam or furnace heating will gradually work into all the buildings, the resources for which expenditures will largely come from such appropriations as would be required for the purchase of new stoves.

Respectfully submitted,

SAM'L E. PITTMAN,

*Secretary and Business Manager.*



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**REPORTS OF STANDING COMMITTEES.**

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# REPORT OF THE COMMITTEE ON PROPERTY

## FOR THE YEAR 1877.

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DETROIT, January 14th, 1878.

*To the Board of Education:*

The Committee on Property submit herewith a statement showing the valuation of the buildings, grounds and furniture, as shown by the ledger at 1st of January, 1878.

In April, 1872, the sum of \$87,107 20 was entered upon the ledger of the Board, and divided off to many of the above named accounts as appreciation, which sum deducted from the total above, will leave the sum of \$633,716 04 as the cost of the property, as shown by the Secretary's report. This difference, together with the items of \$275 00, \$3,414 32 and \$16 17, your Committee believe should be written off from the books by the order of the Board.

Your Committee further report that premises are rented for school purposes as follows: On the corner of St. Aubin avenue and German street, the upper floor with yard from Peter Hensien, at the rate of \$134 41 per annum, which includes the proprietor's services as janitor, after deducting an amount agreed upon for the improvements made at the expense, and by the order, of the Board. The lease expires August 1st, 1878, with the privilege of another year, upon same terms.

On Hastings street, near Napoleon, a small building and lot is leased of John E. Dancy, at \$12 50 per month for school purposes, with "the option of continuing to occupy said premises from month to month, for such period as said Board may designate."



The repairs on buildings and general improvements during the year 1877, have consisted chiefly in changing outside doors, so as to swing outward as a safeguard in case of sudden alarm of any kind; trimming old, and planting new trees; rebuilding stairs and floor in High School building, (new part); rebuilding the Bishop school; renovating the Washington, Barstow, Duffield, Franklin, Lincoln and High School (old part) buildings; improving drainage at Jefferson and Everett; building ash bins; enlarging closets at Houghton, and improving chimneys at Webster.

The plan suggested by the Secretary in his annual report for 1876, to so divide the property as to thoroughly renovate one-third each year, is believed to be a good one, and has been adopted by your Committee the past year in recommending work to be authorized by the Board.

The contracting for work and supplies has been very closely looked after throughout the year, and the mechanical supervision of all work has been careful and skillful.

Respectfully submitted,

JOHN DICK,  
WILLIAM BOND,  
ANTHONY VALENTINE,  
A. CHESEBROUGH,  
A. BORROWMAN.

## STATEMENT

SHOWING LOCATION AND VALUATION OF PROPERTY.

NAMES.	LOCATION.	SIZE OF LOTS.	AMOUNT.
Abbott Street.	On Abbott street, between First and Second.....	50x190 ft.	\$5,872 24
Barstow.....	Larned, between Riopelle and Russell.....	100x81x 260*	37,317 88
Bishop.....	Marion, between Hastings and Prospect.....	158x210	37,573 88
Cass.....	Grand River avenue, between Second and George....	378x300x 248	43,321 79
Clay.....	Pitcher, between Cass and Second.....	100x190	9,860 81
Campbell .....	St. Aubin avenue. opposite Witherell.....	One acre	10,700 62
Clinton .....	Clinton street, between Russell and Rivard.....	150x105	33,292 19
Duffield. ....	Clinton avenue, near Chene.....	157x210	37,694 75
Everett.....	Fort street, between Hastings and Rivard.....	106x185*	40,798 95
Franklin .....	Seventh street, between Locust and Pine.....	173x120	19,062 13
Fort Street....	Fort street, near Elmwood avenue.....	79x130	3,419 64
High.....	Corner State and Griswold (old and new.).....	175x294x 341	103,923 20
Houghton.....	Corner Sixth and Abbott.....	126x130	38,734 34
Irving.....	Willis avenue, between Woodward and Cass.....	150x170	9,950 05
Jefferson.....	Corner Maria and Crawford.....	144x203	38,292 30
Jackson. ....	Larned, between Dubois and Chene.....	100x120	8,800 07
Lincoln.....	Corner Antoine and Kentucky.....	100x195	7,656 02
Miami Ave....	Miami avenue, between Grand River and Gratiot....	64x109	10,250 00
Pitcher.....	Sullivan avenue, near Michigan.....	110x193	36,320 47
Tappan .....	Corner Thirteenth street and Marquette.....	250x130	37,067 62
Trowbridge....	Seventeenth, near Howard.....	100x108	13,055 00
Thompson St.	Corner Twelfth and Brigham.....	60x100	1,150 00
Third Ward...	Fort street, between Brush and Beaubien.....	53x125	8,500 00
Washington ..	Beaubien, between Adams and Harriet.....	100x300	39,470 16
Wilkins.....	Porter between Second and Third .....	100x130	41,102 11
Webster.....	Twenty-first st., between Howard and Marquette....	210x130	33,073 29
Myrtle St lots	Corner Thirteenth and Myrtle. ....	210x102	2,800 00
Thirtieth W'd	On Berlin and Arndt, near McDougall avenue.....	120x230	3,103 29
			\$717,117 75
Colored School (Ohio street).....			275 00
Furniture years 1873 and 1874.....			3,414 82
Contingent expenses connected with negotiation for lots on High street.....			16 17
			\$720,828 94

\* 100 feet front on Larned and 81 feet on Congress.



# REPORT OF THE FINANCE COMMITTEE.

*To the Board of Education of the City of Detroit:*

Your Committee on Finance respectfully present the following, as their annual report for the year ending December 31, 1877.

## BALANCES ON HAND JANUARY 1, 1877.

School Fund.....	\$53,063 35	
School Building Fund.....	14 73	
Book of Reference and Apparatus Fund.. ..	1,101 84	
Secretary's Contingent Fund.....	100 00	
		<u>\$54,279 92</u>

## RECEIPTS FOR 1877.

### From city appropriations for schools:

For years prior to 1874.....	\$1,180 07	
For year 1874.....	1,450 16	
For year 1875.....	3,301 78	
For year 1876.....	36,553 42	
For year 1877.....	126,389 92	
		<u>\$168,825 35</u>

### From city appropriations for school buildings:

For years prior to 1874.....	\$179 07	
For year 1874.....	526 35	
For year 1875.....	1,495 59	
For year 1876.....	4,269 70	
For year 1877.....	22,304 11	
		<u>\$28,774 82</u>

From primary school fund.....	16,179 12	
From tuition fees.....	558 65	
From school fines.....	4 90	
For rent, Detroit Scientific Association.....	100 00	
From sale of old stoves.....	23 00	
From sale of old iron.....	70 41	
From J. Petzhold, see voucher No. 997.....	1 00	

### From interest on funds:

Albert Ives, Treasurer.....	\$1,393 62	
Controller of the city.....	204 71	
		<u>\$1,598 33</u>

From mortgage on lot 4, Lafontaine farm.....	\$325 00	
and interest in full.....	49 26	
		\$374 26
From sale Clinton School building (frame).....		150 00
From Public Library Fund, for rent of old Library room for year 1876.....		500 00
From A. Ives, Treasurer, for interest on Book of Reference and Apparatus Fund.....		43 46
		<u>\$271,483 22</u>

## EXPENDITURES FROM SCHOOL FUND.

Secretary and business manager.....	\$2,041 67	
Teachers and Superintendent of Schools.....	136,394 95	
Janitors.....	11,164 83	
Labor and supplies.....	4,996 91	
Repairs.....	15,920 41	
Fuel.....	10,424 34	
Printing.....	1,681 39	
Insurance.....	33 50	
Rent.....	184 11	
Furniture.....	1,208 92	
School census.....	714 78	
		<u>\$184,765 81</u>

## EXPENDITURE FROM BUILDING FUND.

High School.....	\$7,547 69	
Clinton School.....	8,586 78	
Webster School.....	11 00	
Thirteenth Ward lots.....	1,502 29	
Paving.....	88 24	
A. Ives, on \$15,000 loan, 1876.....	10,000 00	
A. Ives, interest on the same.....	470 65	
		<u>\$28,206 65</u>

## EXPENDITURE FROM BOOK OF REFERENCE AND APPARATUS FUND.

By order of the Board of April 26, 1877.....	\$241 65	
		<u>\$213,214 11</u>

## BALANCES ON HAND JANUARY 1, 1878.

School Fund.....	\$55,550 77	
School Building Fund.....	1,214 69	
Book of Reference and Apparatus Fund.....	1,403 65	
Secretary's Contingent Fund.....	100 00	
		<u>\$58,269 11</u>
		<u>\$271,483 22</u>

## PUBLIC LIBRARY FUNDS.

## Balances on hand, January 1, 1877 :

Library Fund proper.....	26,429 48	
Library Building Fund.....	11,425 89	
		<hr/> \$37,855 37

## Receipts :

From City Treasurer, on the appropriation of 1874 for the new building.....	\$681 07	
On appropriation of 1875.....	1,040 29	
On appropriation of 1876.....	5,336 01	
		<hr/> \$7,057 37
From interest on Building Fund.....	70 64	
From County Treasurer, fines and penalties.....	6,163 24	
From Library fines and sale of old catalogues....	304 52	
From sale of new catalogues.....	60 00	
From Robert Clark & Co.....	7 65	
From sale of shelves.....	27 20	
From interest on Library Fund proper.....	632 25	
		<hr/> \$52,178 24

## Expenditures :

For books, salaries, etc.....	\$17,278 45	
For final payment to contractor, and for finishing building.....	17,866 18	
		<hr/> \$35,144 63

## BALANCES ON HAND JANUARY 1, 1878.

Library Fund proper.....	\$16,345 89	
Library Building Fund.....	687 72	
		<hr/> \$17,033 61
		<hr/> \$52,178 24

Your Committee, by sub committee, have made a careful examination of all the disbursements made by the Board for the entire year. Each account, as audited and allowed by the Finance Committee, and approved by the Board, was examined and compared with the warrant drawn on, and paid by, the Treasurer. The receipts for the year, as shown by the Secretary's books, were compared with the Treasurer's books, also the disbursements.

The balance in the Treasury at the beginning of the year, after deducting \$1,163 59 for warrants drawn by the Secretary at the

close of the previous year, and not then presented by the holders thereof, agreed with the Secretary's books. The balance in the Treasury on the 1st day of January, 1878, is \$1,485 80, more than is shown by the Secretary. This sum is represented by warrants, drawn by the officers of the Board, but not presented to the Treasurer until after the commencement of the present calendar year.

In the examination of the disbursements, lists of the warrants drawn on the different funds were made, and the amounts footed in order to verify the correctness of the books of the Secretary and Treasurer; but one error was found, and that a clerical one, made by the Secretary and Treasurer, and which has been corrected.

The books, accounts and vouchers were found in perfect order, and the system of keeping the books and files a good one.

Each fund of the Board has now a balance to its credit. The Building fund is indebted in the sum of \$5,000 00, for money borrowed in 1876. This, however, will be paid from taxes yet to be collected during the present fiscal year, ending June 30th, 1878. The balance to the credit of the School fund is \$55,550 77; to the other funds, \$2,718 34.

The uncollected taxes for 1877 is \$42,435 68. It is not safe to estimate that more than three-fourths of that sum, or \$31,826 76 will be collected. There will be received from Primary School fund, as estimated, \$16,000 00, and from miscellaneous sources \$500 00, making available for the present fiscal or school year \$101,390 11. It will require, as your Committee estimate, to pay teachers, superintendent, and other necessary expenses of running the schools until June 30, 1878, and outstanding indebtedness, including the payment of the debt of the Building fund and interest thereon, the sum of \$99,000 00.

It will be seen that the margin is but small, and no extensive work in the way of repairs can be undertaken, until after taxes for the next fiscal year become available. In the above estimate each fund will have a balance to its credit July 1st, 1878, and the Board will be free from debt. If this happy condition is gained, and there is no doubt it will be, your Committee would urge it on the Board, as a positive duty, to keep out of debt. The law gives the Board authority to borrow money not exceeding \$15,000.

Occasions may arise when it will be necessary to exercise this right, as for example: Collection of taxes may be slow, or the Primary School fund not be received as soon as needed, thereby making it absolutely necessary to borrow to pay teachers and current monthly expenses. It is to meet such emergencies alone that the law has conferred this power on the Board.

The Board should not, in any instance, assume or contract for an expenditure in excess of taxes that will be collected from the amounts granted by the Board of Estimates.

During the past year the Board has not, in any instance, borrowed from one fund to meet overdrafts on other funds. It is to be hoped that this wise policy will be strictly adhered to.

There are uncollected taxes for years prior to 1877, amounting to \$25,898 68. For detailed information on this, reference is made to the Secretary's report. Strenuous and successful efforts have been made to collect all back taxes that can be collected, hence it is safe to assume that only a small amount of taxes so outstanding will ever be received; therefore, the Board should not make any account of these in any estimate of its resources.

The receipts of the Library fund proper were \$7,194 86. This is \$3,371 34 less than for 1876, the greater portion of which is from the decrease of fines and penalties collected.

The expenses of maintaining the new Library Building is between five and six thousand dollars a year, and it becomes necessary that every effort possible be made use of to secure all fines and forfeited bail bonds, as well as the exercise of all the economy possible in the management of the Library.

The Library Committee have been granted authority to collect all forfeited bail bonds.

All insurance on the property of the Board expired on the 1st day of January, 1878, and its renewal was not authorized by the Board. Your committee are convinced that this is not sound policy. The City of Detroit is a wealthy corporation, many times more so than any insurance company, but it is not the business of the city to take fire risks. An insurance office takes risks on large numbers of buildings, of all kinds, and in all parts of the country or world, and by so doing gets an average, and can well afford to have some



of those buildings burn and still make money. Not so with a municipal corporation. It does not take risks ; it cannot get an average. If one of our school buildings burn, there will be a positive loss to the city of the value of the building burned. In the event of such occurrence the Board will find itself in a peculiar dilemma. Having no insurance, it can not attempt to rebuild, because the Board of Estimates must first levy a tax for that purpose. The Board cannot borrow the money to rebuild, and then ask the Board of Estimates to levy a tax. If such was the course pursued, and the levying of the tax refused, then the Board must submit to the sale of some of its property to pay the money so borrowed. To get a tax levied before commencing to rebuild will require time. By this plan it will take at least a year before a building could be occupied, when with fire insurance, in case of loss, the Board would commence rebuilding forthwith. A fund for insurance has been authorized, and the public have a right to demand that it be used for that purpose. Your committee recommend that the incoming Board give this important question immediate attention.

JOHN T. LIGGETT,  
ALVIN C. BURT,  
JOHN CONSIDINE,  
THOMAS McGRATH,  
• FRANK FOLSOM.

## DETAILED STATEMENT

*Of Disbursements on Account of the Several Funds for 1877.*

## SECRETARY AND BUSINESS MANAGER.

1877.

Jan. 26.	Sam'l E. Pittman, payment for January.....	\$208 33
Feb. 28.	Sam'l E. Pittman, payment for February.....	166 67
Mar. 31.	Sam'l E. Pittman, payment for March.....	166 67
April 30.	Sam'l E. Pittman, payment for April.....	166 66
May 30.	Sam'l E. Pittman, payment for May..	166 67
June 30.	Sam'l E. Pittman, payment for June..	166 67
July 30.	Sam'l E. Pittman, payment for July..	166 67
Aug. 30.	Sam'l E. Pittman, payment for August.....	166 67
Sept. 30.	Sam'l E. Pittman, payment for September.....	166 66
Oct. 31.	Sam'l E. Pittman, payment for October.....	166 67
Nov. 30.	Sam'l E. Pittman, payment for November.....	166 67
Dec. 22.	Sam'l E. Pittman, payment for December.....	166 66
		<hr/> <hr/> \$2,041 67

## TEACHERS AND SUPERINTENDENT OF SCHOOLS.

1877.

Jan. 26.	Pay-roll of teachers for January.....	\$13,268 65
	J. M. B. Sill, payment for January.....	275 00
Feb. 23.	Pay-roll of teachers for February.....	13,161 15
	J. M. B. Sill, payment for February.....	275 00
Mar. 23.	Pay-roll teachers for March.....	13,106 15
	J. M. B. Sill, payment for March.....	275 00
April 27.	Pay-roll of teachers for April.....	13,163 55
	J. M. B. Sill, payment for April.....	275 00
May 25.	Pay-roll of teachers for May.....	13,128 65
	J. M. B. Sill, payment for May.....	275 00
June 22.	Pay-roll of teachers for June.....	13,112 55
	J. M. B. Sill, payment for June.....	275 00
Aug. 14.	J. M. B. Sill, payment for July.....	275 00
30.	J. M. B. Sill, payment for August.....	275 00

Sept. 28.	J. M. B. Sill, payment for September....	275 00	
	Pay-roll of teachers for September.....	13,564 05	
Oct. 26.	Pay-roll of teachers for October.....	13,551 15	
	J. M. B. Sill, payment for October.....	275 00	
Nov. 23.	Pay-roll teachers for November.....	13,552 27	
	J. M. B. Sill, payment for November...	275 00	
Dec. 22.	Pay-roll teachers for December.....	13,486 78	
	J. M. B. Sill, payment for December....	275 00	
		<hr/>	\$136,394 95
			<hr/>

## JANITORS.

1877.			
Jan. 31.	Pay-roll for January.....	\$915 42	
	T. D. Owens, at City Hall.....	6 00	
Feb. 28.	Pay-roll for February.....	897 42	
Mar. 13.	M. Starring, balance in full for services as armorer.....	60 00	
Mar. 31.	Pay-roll for March.....	901 02	
	A. McLogan, services five days at High School.....	12 50	
		<hr/>	\$2,792 36
April 29.	Pay-roll of janitors for April.....	\$891 30	
May 30.	Pay-roll of janitors for May.....	941 42	
June 30.	Pay-roll of janitors for June.....	909 25	
June 20.	Andrew Harvey & Son, services of fire- man.....	219 00	
		<hr/>	\$2,960 97
July 31.	Pay-roll janitors for July.....	\$907 00	
Aug. 30.	Pay-roll janitors for August.....	903 00	
Sept. 30.	Pay-roll janitors for September.....	893 00	
		<hr/>	\$2,703 00
Oct. 31.	Pay-roll of janitors for October.....	\$902 50	
Nov. 30.	Pay-roll of janitors for November.....	903 00	
Dec. 22.	Pay-roll of janitors for December.....	903 00	
		<hr/>	\$2,708 50
			<hr/>
			\$11,164 83
			<hr/>

## LABOR AND SUPPLIES.

1877.			
Jan. 12.	A. S. Barnes & Co., difference in ex- change of books.....	\$101 25	
	A. W. Price, two arithmetical charts...	50 00	
	J. L. Thompson, eyes and rods for steps at High School.....	9 00	

Jan. 12.	E. B. Smith & Co., school books and ink.....	51 99
	J. A. Roys, school books.....	43 47
Jan. 26.	Detroit Gas Light Company, for December.....	13 30
	Mutual Gas Light Company, for December.....	2 90
	Peter Copper, hauling ashes.....	5 00
	Express charges, plate to Lansing.....	25
	James O'Brien, transporting arms to gun shed.....	4 50
	Detroit Safe Company, moving safe.....	9 00
	W. S. Penfield, tin work.....	35 55
	O. R. Looker and Deans, Brow & Godfrey, testimonial for Inspector Wilkins.....	39 00
Feb. 13.	Eugene Robinson, work on map.....	30 00
	P. Madigan, cartage.....	2 50
	J. E. Van Sickle, repairing wheelbarrow.....	70
	J. F. Baisch, keys, etc.....	4 20
	M. C. R. R. Co., cartage on desks.....	1 50
	A. B. Hinman & Co., 1 bbl. oil.....	30 90
	Detroit Gas Light Co., gas for January.....	9 80
	H. Maurer, labor at Clinton School.....	12 00
	Mutual Gas Light Co., gas for January.....	3 50
	F. Wetmore & Co., lamp chimneys, etc.....	3 50
	J. C. Sabine, repairing harness.....	1 25
	F. Stearns, laboratory supplies.....	11 90
	Farrand, Williams & Co., laboratory supplies.....	9 62
	J. L. Fisher, laboratory supplies.....	4 75
	F. Wetmore & Co., laboratory supplies.....	3 40
	W. H. Edgerton, apparatus.....	22 15
	Dean, Brow & Godfrey, balance on express charges Wilkins' testimonial.....	1 30
	American District Telegraph Co., messenger service.....	6 25

Feb. 15.	Pay-roll women scrubbing Clinton School.....	16 00	
Mar. 13.	Detroit Electrical Works, telegraph outfit, etc.....	50 00	
	W. S. Penfield, air-blast, etc.....	20 00	
	L. Black & Co., thermometers.....	30 00	
	American District Telegraph Co., messenger service.....	16 05	
	J. F. Baisch, hanging gongs, etc.....	4 70	
	J. D. Walker & Co., posting bills, sale Clinton street building.....	1 50	
	M. C. R. R. Co., carting seats.....	3 86	
	Detroit Gas Light Co., gas for February	14 50	
	Charles Root & Co., two pieces sheeting	5 00	
	John Grauss, carting ashes.....	1 88	
	E. Stange, 1 basket.....	25	
	Express charges package from Centennial.....	30	
	Detroit Postoffice, stamps and envelopes.....	27 65	
			\$716 12
April 10.	Detroit Gas Light Co., gas for March...	\$10 90	
	Detroit Stove Works, stove bottoms, etc.	69 74	
	Hitchcock, Esselstyn & Co., corduroy for erasers.....	48 45	
	A. Dondero, 18 waste baskets.....	16 20	
	J. S. Conklin, repairing clocks.....	13 50	
	P. Madigan, cartage.....	18 50	
	Washington Lewis, cartage ashes.....	1 88	
	Mutual Gas Light Co., gas for February	2 70	
	E. B. Smith & Co., school-books and stationery .....	327 56	
	J. M. Arnold & Co., school-books and stationery .....	133 67	
May 15.	Detroit Gas Light Co., gas for April. ..	7 80	
	American District Telegraph Co., messenger service.....	2 55	
May 25.	Dunn & Bro., rubber hose and packing	8 29	
	P. Madigan, cartage.....	12 50	
	Coulson & Morhous, cups and rakes.....	7 35	
	Chas. Root & Co., sheeting for dust cloths.....	5 04	
	John Grauss, carting ashes.....	3 38	

May 25.	D. B. Wilcox, tin pail.....	70	
	Laitner Bros., brushes.....	42 30	
	L. Black, two battery carboys.....	2 00	
	E. W. Wetmore, brushes, sheeting, etc..	11 70	
	Farrand, Williams & Co., sulph. acid,		
	etc.....	9 21	
June 20.	E. B. Smith & Co., text-books, etc.....	48 95	
	J. A. Roys, text-books.....	23 37	
	Richmond, Backus & Co., text-books		
	and stationery.....	277 23	
	Same, school registers.....	16 80	
	H. D. Edwards & Co., rubber hose.....	92 54	
	Detroit Water Commissioners, water		
	supply to July 1st, six months. ....	219 00	
	Detroit Gas Light Co., gas for May.....	5 80	
	T. H. Hinchman & Sons, janitor's sup-		
	plies.....	95 92	
	J. F. Baisch, hanging bells.....	3 50	
	American District Telegraph Co.,		
	messenger service.....	90	
	Detroit Postoffice, envelopes.....	5 65	
			\$1,545 58
July 2.	P. Madigan, cartages.....	5 50	
July 14.	E. B. Smith & Co., school stationery...	18 50	
	Cornwells, Price & Co., do.....	4 25	
	John Cameron, hose connections.....	85 00	
July 27.	Henry Beck, cleaning chimneys.....	40 00	
	Pay-roll workmen on stoves.....	12 75	
Aug. 14.	H. D. Edwards & Co., flag for High		
	School building.....	53 40	
	Silas Farmer & Co., one dozen maps....	3 00	
	American District Telegraph, messen-		
	ger service.....	3 40	
	Detroit Postoffice, stamps.....	10 00	
	Pay-roll workmen putting up stoves.....	12 00	
	Chas. Root & Co., scrubbing cloth.....	19 47	
	Coulson & Morhous, janitor's supplies.	58 45	
	Laitner Bros., brushes.....	8 80	
	Detroit Gas Light Co., gas June and		
	July.....	6 38	
	A. M. Hagadorn, repairing lawn mower	1 00	
	J. S. Conklin, repairing clocks.....	4 00	

Aug. 25.	Pay-roll workmen putting up stoves.....	18 00	
Aug. 30.	W. C. Maybury, legal opinion in the matter of treasurership.....	15 00	
Sept. 12.	Detroit Postoffice, stamps.....	22 62	
Sept. 15.	J. L. Thompson, iron work.....	34 15	
	E. Austin, plastering new school-room, St. Aubin avenue.....	49 28	
	Weitz & Spindler, painting same.....	39 00	
	Pay-roll workmen, putting up stoves ...	6 00	
	J. P. Hensien, work on stoves, etc.....	39 76	
	P. Madigan, cartages.....	14 00	
Sept. 28.	Richmond, Backus & Co., school and office stationery.....	31 14	
			\$614 85
Oct. 12.	Byram, Nuppnau & Clark, joiner work for St. Aubin primary school.....	\$43 75	
	Dunn & Bro., lap robe.....	1 50	
	Allison & Hilbert, hitching rein.....	25	
	John Grauss, cartage.....	3 20	
	Detroit Gas Light Co., gas bills August and September.....	19 58	
	Roehm & Wright, repairing clocks.....	4 60	
Oct. 29.	Geo. Wale & Co., college lantern, etc...	384 44	
	E. B. Benjamin, apparatus.....	173 65	
	Chas. Bourne, philosophical instru- ments.....	40 65	
	H. D. Edwards & Co., rubber supplies..	6 96	
	W. H. Allen & Bro., camera stand.....	20 15	
Nov. 5.	Chas. Flach, table and cupboard for College lantern.....	25 00	
	E. B. Smith & Co., school books and and stationery.....	93 79	
	A. M. Hagadorn, slate markers.....	8 60	
	C. Flach, slate rulers.....	2 40	
	P. Madigan, cartage.....	10 50	
16.	J. F. Baisch, fitting keys, etc.....	4 30	
	J. P. Hensien, tin work.....	32 15	
	Michigan Ink Co., two gallons red ink	5 00	
	Detroit Postoffice, stamps.....	7 00	
	Zelma Briggs and others, school books..	6 85	
	A. Dondero, 12 waste baskets.....	10 00	
	Detroit Gas Light Co., gas bill, October	16 88	
	W. Anderson, whitewashing Hastings Street primary.....	1 50	

Nov. 28.	Detroit Water Commissioners, water supply, six months.....	208 50	
	Belle Isle Ice Co., ice for Board room..	3 00	
	J. Grauss, carting ashes.....	2 40	
	Excelsior School Furnishing Co., four grates for stoves at Webster School	2 88	
	Lake Shore and Michigan Southern Railway Co., freight and cartage on same.....	60	
Dec. 20.	Richmond, Backus & Co., school stationery.....	609 47	
	Richmond, Backus & Co., school books	69 35	
	J. A. Roys, school books.....	73 66	
	D. P. Work, school books.....	71 62	
	Farrand, Williams & Co., laboratory supplies .....	10 76	
	Detroit Electrical Works, laboratory supplies .....	2 05	
	H. D. Edwards & Co., laboratory supplies .....	1 09	
	Jas. Nall, Jr., & Co., laboratory supplies.....	4 90	
	Edson, Moore & Co., two pieces sheeting for dust cloths .....	6 77	
	T. H. Hinchman & Sons, janitors' supplies .....	35 78	
	Coulson & Morhous, janitors' supplies..	46 15	
	Detroit Gas Light Co., gas for November.....	21 83	
	Detroit Postoffice, postal cards and stamps .....	8 00	
31.	Byram, Nuppenau & Clark, moulding for alphabet boxes.....	8 00	
	John Grauss, carting ashes .....	1 20	
	Frank Kehl, carting ashes.....	1 20	
	F. Wetmore, gas brackets, etc.....	1 35	
	Detroit Postoffice, stamps.....	7 00	
			\$2,120 36
			<u>\$4,996 91</u>



## REPAIRS.

1877.

Jan. 12.	George Morhous, for December.....	100 00
	Pay-roll carpenters, December 26th to January 3d.....	88 29
	A. Chapaton, Jr., mason work.....	106 90
	Holmes & Webster, plumbing.....	37 99
	Richmond, Backus & Co., paper for blackboards.....	35 05
	Dean, Brow & Godfrey, hanging same..	35 73
	Spitzley Bros., moulding for black- boards.....	36 92
	Detroit branch U. S. and F. S. Felting Co., at High School.....	105 00
	Reid & Hills, glass and putty.....	9 08
	J. L. Fisher, builders' hardware.....	8 06
26.	Pay, roll carpenters, January 4th to 20th	63 95
	Weitz & Spindler, painting.....	22 05
	G. F. Case, board of horse thirteen and two-sevenths weeks.....	53 11
Feb. 13.	George Morhous, for January.....	108 00
	Pay-roll carpenters, January 23d to February 3d.....	61 19
	J. L. Fisher, builders' hardware.....	89 83
	H. A. & S. G. Wight, lumber.....	18 00
	D. A. Ross & Co, lumber.....	24 46
	Cornwells, Price & Co., plaster paper...	24 62
Mar. 13	Pay-roll carpenters, February 5th to 18th.....	89 80
	Allison & Hilbert. one set single harness.....	25 00
	W. S. Penfield, work at Webster School.....	83 65
	J. L. Fisher, builder's hardware.....	16 51
	G. F. Case, eight weeks' board of horse	32 00
	George Morhous, salary for February...	96 00
	Pay-roll carpenters, February 19th to March 3d.....	109 38
23.	Pay-roll of carpenters, March 5th to 17th	57 13
	Henry Glaser, mason work at Franklin School.....	33 92
	J. J. Dick, repairing delivery wagon...	45 00

Mar. 23.	J. J. Martin & Co., painting in 1875 and 1876.....	69 32	
	C. Longtin, work on doors so as to swing outwards, as per contract :		
	First payment.....	90 43	
	Second payment.....	197 61	
	Final payment.....	379 36	
			<b>\$2,353 24</b>
April 10.	George Morhous, for March.....	\$108 00	
	Pay-roll of carpenters, March 19th to 31st.....	66 15	
	Byram, Nuppenau & Clark, work on Franklin, High and Duffield Schools.....	229 22	
	Deans, Brow & Godfrey, painting at High School.....	110 69	
	J. L. Fisher, builders' material.....	23 11	
	H. Glaser, mason work.....	27 93	
27.	Pay-roll carpenters, April 2d to 21st....	98 28	
	James Roach, painting doors, etc.....	146 79	
May 15.	Watson & Masterton, trimming and planting trees.....	79 60	
	Geo. Morhous, for April.....	100 00	
	Pay-roll of carpenters, etc., April 23d to May 5th.....	74 42	
	G. F. Case, care of horse eleven weeks, to date.....	44 00	
25.	Pay-roll of carpenters, May 7th to 19th	87 88	
	Hubbard & King, lumber.....	26 88	
	H. A. & S. G. Wight, lumber.....	34 64	
	D. A. Ross, lumber.....	16 00	
	Buhl, Ducharme & Co., nails.....	55 77	
	H. H. James, builders' hardware.....	14 65	
	Spitzley Bros., blackboard material, etc	14 40	
	J. L. Thompson, iron work .....	15 85	
	E. W. Bissell, one barrel salt.....	1 40	
	M. Riley, cartage.....	3 00	
	E. T. Barnum, chalk boxes.....	5 65	
June 20.	H. A. & S. G. Wight, lumber.....	18 30	
	Gage & Miller, lumber .....	83 90	
	J. L. Fisher, builders' hardware.....	7 74	
	Samuel G. Lane, plumbing .....	16 14	
	Kramer & Steiner, plumbing.....	22 35	

June 20.	Geo. Morhous, for May.....	108 00	
	Pay-roll carpenters and laborers, May 21st to June 2d.....	45 05	
			\$1.685 79
July 2.	Pay-roll of carpenters, June 4th to 23d	25 50	
14.	Hubbard & King, lumber.....	23 04	
	D. A. Ross, lumber.....	17 50	
	J. L. Fisher, builders' hardware sup- plies.....	7 79	
	Geo. Morhous, for June.....	104 00	
	Pay-roll carpenters, June 24th to 30th	66 38	
27.	Pay-roll carpenters and laborers, July 2d to 21st.....	276 75	
	Armstrong & Hill, on account first estimate on work on Bishop School	1,125 32	
	Armstrong & Hill, on account first esti- mate Bishop School.....	400 00	
	R. A. Alger, trustee, lumber.....	206 28	
	Starrat & Klugh, drain crocks.....	28 13	
	Reid & Hills, glass and putty.....	6 26	
Aug. 14.	Armstrong & Hill, on account second estimate on Bishop School.....	471 26	
	Armstrong & Hill, on account of second estimate.....	400 00	
	C. W. Maynard, painting and kalsom- ining Duffield and Barstow buildings .....	1,027 00	
	Brand, Humphrey & Co., painting and kalsomining Washington School...	530 85	
	P. Hoban, on account of whitewashing	75 00	
	J. L. Fisher, builders' hardware sup- plies .....	12 98	
	T. F. Hughes, tin work.....	28 63	
	Spitzley Bros., joiner work and material	47 22	
	A. Sinclair, care of horse, May 14th to August 1st.....	50 64	
	P. Madigan, cartage.....	8 50	
	Weitz & Spindler, painting.....	1 00	
	P. Hayden, pad for harness.....	1 00	
	J. Bushway, resetting tire.....	3 00	
	Geo. Morhous, for July.....	104 00	
	Pay-roll carpenters and laborers, July 23d to August 4th.....	169 94	

Aug. 25.	Pay-roll carpenters and laborers, August 6th to 18th.....	211 81	
	Armstrong & Hill, third estimate on work at Bishop School.....	238 42	
	Michael Joy, horseshoeing.....	10 50	
	Martin & Co., on account of contract painting Franklin School.....	200 00	
	Stokes & Turner, on account of contract for painting Lincoln School.....	100 00	
31.	Holmes & Webster, plumbing.....	36 85	
Sept. 12.	Geo. Morhous, for August.....	108 00	
	Pay-roll carpenters and laborers, August 20th to September 1st.....	323 50	
15.	Hubbard & King, lumber.....	404 80	
	D. A. Ross, lumber .....	73 10	
	H. A. & S. G. Wight, lumber.....	36 10	
	J. L. Fisher, builders' hardware supplies .....	31 84	
	Fairbairn Bros., building ash bins. ....	244 00	
	H. Glaser, mason work.....	16 25	
	Jas. S. Hardie, stone flagging.....	88 70	
	J. Cameron, plumbing.....	310 35	
	Kramer & Steiner, plumbing.....	105 83	
	E. Austin, plastering.....	162 14	
	P. Hoban, balance on contract for whitewashing.....	8 00	
	Martin & Co., balance on contract for painting Franklin.....	34 00	
	Stokes & Turner, balance on contract for painting Lincoln School.....	32 00	
	Spitzley Bros., joiner work and material	18 88	
28.	Pay roll carpenters and laborers, September 3d to 22d.....	143 93	
	Armstrong & Hill, final payment on Bishop School.....	618 00	
	Beyer & Stoeble, reslating blackboards	172 32	
			\$8,947 29
Oct. 4.	Martin & Co., on account contract painting old part High School building.....	\$200 00	
12.	J. W. Gilbert, repairing roof of same	45 00	
	Geo. Morhous, for September .....	100 00	
	Pay-roll carpenters, September 24th to October 3d.....	80 94	

Oct. 12.	Byram, Nuppenau & Clark, joists for High School.....	28 76
	B. S. Gross, repairs to lightning rods at Webster & Campbell.....	40 50
	Starrat & Klugh, sewer pipe.....	79 83
	T. T. Hughes, tin work.....	79 81
	Holmes & Webster, sheet iron work....	47 00
	Kramer & Steiner, plumbing.....	34 44
	J. L. Fisher, builders' hardware.....	17 68
	Reid & Hills, glass and putty.....	15 07
	James Roach, painting.....	12 25
26.	Pay-roll carpenters, October 4th to 20th	124 63
Nov. 5.	A. Chapaton, Jr., rebuilding chimneys Webster School.....	262 96
16.	Geo. Morhous, for October.....	108 00
	Pay-roll carpenters, October 22d to November 7th.....	111 00
	John Cameron, plumbing.....	90 00
	H. A. & S. G. Wight, lumber.....	77 60
	J. L. Fisher, builders' hardware.....	37 17
	A. Chapaton, Jr., mason work.....	24 63
	John Petzhold, wire screens.....	19 33
	Spitzley Bros., joiner work.....	35 07
	Michael Joy, horseshoeing.....	5 00
16.	City of Detroit, lateral sewer, Lincoln School.....	65 74
	A. Sinclair, care of horse, August 1st to November 1st.....	52 57
23.	Pay-roll carpenters November 7th to 17th.....	57 25
28.	Stange & Co., graveling yard at Washington School.....	33 30
Dec. 20.	John Petzhold, wire screens for windows at Duffield School.....	36 00
	J. L. Fisher, house trimmings.....	21 57
	A. Chapaton, Jr., mason work, High School building.....	452 49
	E. Austin, plastering.....	24 12
	Andrew Harvey & Son, ash bin doors and work on steam pipes.....	62 50
	Martin & Co., balance on contract for painting High School building (old part).....	128 18

Dec. 20.	J. B. Wilson, conductor pipe.....	20 48	
	Reid & Hills, glass and putty.....	9 26	
	Hubbard & King, lumber.....	6 40	
	Kramer & Steiner, plumbing.....	23 37	
	J. L. Thomson, iron work.....	10 20	
	Deans, Brow & Co., painting and cur- tain material.....	24 75	
	Geo. Morhous, for November.....	104 00	
	T. L. Taylor, carpenter work, Novem- ber 19th to December 5th.....	24 50	
	Beyer & Stoeble, slating blackboards....	8 25	
	P. Madigan, cartages.....	5 50	
	Watson & Masterton, sodding and removing trees.....	44 96	
31.	Allison & Hilbert, horse blankets, etc ..	3 25	
	James & Martin, repairs to harness.....	75	
	O. H. Voight, repairs to buggy.....	30	
	J. W. Gilbert, repairing roof Duffield..	2 00	
	Pay-roll carpenters, December 6th to 22d.....	35 63	
			<u>\$2,933 99</u>
			<u><u>\$15,920 41</u></u>

## FUEL.

1877.			
Jan. 12.	H. Currie & Bro., 12½ cords of wood.....	\$64 31	
26.	J. Wetherbairn, putting in coal.....	2 50	
	H. Maurer, weighing coal, etc.....	4 50	
	A. E. Viger, 62-40 tons coal.....	385 52	
Feb. 13.	A. E. Viger, 16 tons coal.....	107 44	
	Detroit Gas Light Co., 146 bushels coke	14 60	
	J. Larkin, putting in coal.....	2 10	
	H. Maurer, weighing coal, etc.....	7 63	
Mar. 13.	J. D. Denison, 8½ 1520-2000 tons coal...	511 24	
	Detroit Gas Light Co., 264 bushels coke	26 40	
	John Larkin, putting in coal.....	2 80	
			<u>\$1,129 04</u>
April 10.	Hugh Currie & Bro., 72½ cords wood...	\$386 85	
	Detroit Gas Light Co., 332 bushels coke	33 20	
	Israel Marcotte, weighing coal.....	6 56	
	John Miller, do.....	1 00	
	Israel Marcotte, do.....	2 95	
	John Bremer, putting in coal, High School.....	1 95	

May 15.	Detroit Gas Light Co., 150 bushels of coke.....	15 00	
	J. D. Denison, 39 tons 1,795 pounds of coal.....	242 48	
June 15.	Detroit Gas Light Co., 50 bushels of coke.....	5 00	
			\$694 99
July 27.	Stubensky & Lanyon, first payment on wood contract.....	\$2,101 20	
	Stubensky & Lanyon, second payment on wood contract.....	1,050 60	
Aug. 14.	Stubensky & Lanyon, third payment on wood contract.....	1,400 80	
	F. W. Peabody, first payment on con- tract for sawing wood.....	94 90	
	Pay-roll workmen piling wood.....	86 00	
	E. Chope & Son, six wood barrows.....	40 00	
25.	Stubensky & Lanyon, final payment on wood contract.....	1,338 93	
	F. W. Peabody, second payment on contract for sawing wood.....	94 43	
	Pay-roll workmen piling wood.....	63 00	
Sept. 12.	F. W. Peabody, final payment on con- tract sawing wood.....	235 27	
	Pay-roll workmen piling wood.....	121 63	
	Hugh Potter, 25 cords kindling.....	62 25	
			\$6,689 01
Oct. 12.	N. Ratz, sawing and piling wood at Thompson Street School.....	3 00	
	Laborers piling wood at St. Aubin primary.....	2 00	
Nov. 5.	Stubensky & Lanyon, 22 cords wood.....	91 84	
	James E. Pittman, 95 40-2,000 tons coal	570 12	
16.	James E. Pittman, 210 1310-2000 tons coal.....	1,211 27	
	Pay-roll workmen piling wood at Has- tings Street Primary.....	2 50	
	H. Breitenbecher, weighing 305 1350- 2,000 tons coal.....	30 57	
			\$1,911 30
			<u>\$10,424 34</u>

## FURNITURE.

1877.		
Jan. 12.	Charles Flach, fall-leaf desk.....	\$14 00
26.	James Nall, Jr., & Co., matting.....	137 87
Mar. 13.	A. M. Bodwell, desks.....	91 25
	Michigan School Furniture Co., desks..	22 00
		<hr/>
April 10.	House of Correction, 25 chairs.....	31 25
	James Nall, Jr., carpet for Duffield School.....	18 38
23.	C. J. Whitney & Co., on account of piano at Webster.....	96 00
May 25.	M. C. R. R. Co., freight.....	1 12
June 20.	Abbot & Ketchum, carpet, etc., for Webster School.....	26 98
	Michigan School Furniture Co., recitation seats.....	34 31
		<hr/>
Sept. 15.	Michigan School Furniture Co., seating Charles Flach, two tables.....	\$461 83 8 00
28.	Detroit House of Correction, 100 chairs	118 75
		<hr/>
Oct. 12.	E. Ferguson & Co., cartage new seating	\$3 50
Nov. 16.	Michigan School Furniture Co., seating Chas. Flach, two tables.....	55 68 8 00
Dec. 20.	C. J. Whitney & Co., balance on piano for Webster School.....	80 00
		<hr/>
		\$147 18
		<hr/>
		\$1,208 92

## INSURANCE.

1877.		
July 27.	Clark & Jackson, extra premium for carpenters' risk on Bishop School	22 50
Sept. 15.	Clark & Jackson, extra premium for mechanics' risk on High School...	11 00
		<hr/>
		\$33 50

## PRINTING.

1877.		
Jan. 12.	Schober & Co., alphabet charts.....	\$50 50
	O. S. Gulley, vaccination certificates....	16 75
	W. Graham, school blanks, etc.....	71 50
	Same, printing proceedings.....	132 65
	Michigan Engraving Co., two electrotype plates.....	40 00
Feb. 13.	W. Suckert, binding books.....	5 50



Mar. 13.	Evening News, advertising for coal, etc	7 25	
	Detroit Free Press, printing report and advertising.....	9 00	
	Daily Post Co., advertising for coal, wood, etc.....	4 50	
	Schober & Co., printing questions, etc..	9 50	
	Tribune Printing Co., printing 1,000 copies report for 1876.....	115 20	
	Richmond, Backus & Co., paper for same.....	86 10	
	Michigan Volksblatt, advertising Clin- ton street building.....	6 00	
			\$554 45
April 10.	O. S. Gulley, school blanks.....	\$180 94	
	Wm. Graham, proceedings and school blanks.....	133 45	
	Detroit Tribune, publishing disburse- ments and other advertising .....	30 50	
	Evening News, publishing disburse- ments.....	11 16	
May 14.	Detroit Free Press, printing proceed- ings and notices.....	71 27	
	Detroit Tribune, advertising for floor- ing.....	4 50	
25.	Wm. Suckert, binding proceedings.....	15 60	
June 20.	Detroit Electrical Works, electric pen..	35 00	
	Detroit Free Press Co., printing pro- ceedings and advertising.....	40 48	
	Detroit Tribune, advertising.....	9 63	
	Daily Post Co., advertising.....	9 62	
			\$542 15
July 14.	Endriss Printing Co., school blanks....	\$26 60	
	O. S. Gulley, school blanks.....	25 35	
	Schober & Co., school blanks.....	26 92	
27.	Detroit Free Press Co., printing pro- ceedings.....	33 26	
	Evening News, publishing quarterly disbursement report.....	9 84	
Aug. 14.	Detroit Free Press Co., printing pro- ceedings.....	28 82	
	Detroit Tribune, advertising.....	1 25	
	Detroit Free Press, advertising.....	1 25	
	Evening News, advertising.....	1 25	
	Daily Post, advertising.....	1 88	

Aug. 14.	Schober & Co., school blanks.....	12 80	
	Detroit City Directory for 1877-8.....	5 00	
Sept. 15.	Detroit Free Press Co., printing pro- ceedings.....	48 80	
	Daily Post, advertising.....	3 50	
	The Evening News, advertising.....	4 00	
	Detroit Tribune, advertising.....	2 25	
	Tribune Printing Co., printing.....	5 00	
			\$237 77
Oct. 12.	Detroit Free Press Co., proceedings and advertising.....	\$29 59	
Nov. 5.	O. S. Gulley, school blanks.....	114 15	
	W. Graham, school blanks.....	87 75	
	Schober & Co., school blanks.....	7 75	
	The Evening News, publishing dis- bursement reports.....	11 04	
16.	Detroit Free Press Co., printing pro- ceedings .....	44 32	
Dec. 20.	W. Suckert, rebinding books.....	4 25	
	W. Graham, school blanks.....	24 75	
	Detroit Free Press Co., printing pro- ceedings.....	23 42	
			\$347 02
			<u>\$1,681 39</u>

## RENT.

1877.			
Jan. 26.	Frank Weber, Gratiot evening school...	\$45 00	
Feb. 13.	Marion Johnson, of barn six months...	18 00	
Mar. 13.	Frank Weber, balance for rent of Gra- tiot evening school room.....	15 00	
			\$78 00
April 10.	Marion A. Johnson, rent of barn, bal- ance in full... ..		6 00
July 2.	C. J. Whitney & Co., rent of Opera House for commencement exercises		29 00
Nov. 5.	Peter Hensien, rent St. Aubin primary school-room three months to No- vember 1st.....	33 61	
16.	John E. Dancy, rent of Hastings street primary room for October.....	12 50	
30.	John E. Dancy, rent of same for No- vember.....	12 50	

Dec. 31.	John E. Dancy, rent of same for December.....	12 50	
			<u>\$71 11</u>
			<u><u>\$184 11</u></u>

## SCHOOL CENSUS.

1877.			
Oct. 3.	J. N. Moore, census of Fifth Ward.....	\$68 62	
	J. N. Moore, census of Second Ward....	4 40	
	Alois Valentine, census Thirteenth Ward.....	63 66	
12.	T. McCarthy, census of Third, Fourth and Tenth Wards.....	129 50	
	James H. Walsh, census of Twelfth, Ninth, First and Eighth Wards...	244 32	
Nov. 3.	J. N. Moore, census of Sixth and Eleventh Wards.....	144 02	
	Frank Todembier, census of Seventh Ward.....	60 28	
			<u>\$714 78</u>
	Total expenditure account of School Fund.....		<u><u>\$184,765 81</u></u>

## HIGH SCHOOL BUILDING.

1877.			
June 20.	Andrew Harvey & Son, work in chemical room.....		\$55 60
July 27.	H. C. Wisner, receiver for Martin & Sullivan, on account of contract for construction of building, this payment being part of the amount awarded by decree of Superior Court .....	3,000 00	
	J. W. McGrath, legal services and witness' fees in above matter.....	112 00	
Aug. 16.	Michigan School Furniture Co., seating	49 00	
25.	H. C. Wisner, receiver for Martin & Sullivan, balance of the decree, interest and costs.....	3,831 09	
			<u>\$6,992 09</u>
Dec. 24.	Andrew Harvey & Son, on account extending steam heating apparatus.....		<u>\$500 00</u>
			<u><u>\$7,547 69</u></u>

## CLINTON SCHOOL.

1877.		
Jan. 22.	Vanduzen and Tift, bell and hangings.	\$101 42
Feb. 13.	Nuppenau & Clark, on contract.....	350 00
	J. L. Fisher, building hardware.....	177 36
	Western Eureka Slating Co., slating black boards.....	136 55
	P. Hoben, whitewashing basement.....	8 00
	R. Shute, pencilling furnace front.....	4 00
	Pay roll carpenters in December, dif- ference.....	1 00
March 1.	Nuppenau & Clark, on contract.....	1,200 00
		<hr/>
		\$1,978 33
April 5.	Nuppenau & Clark, act. final estimate.	\$1,700 00
May 15.	State and county taxes, 1876, on Beau- fait lot.....	2 72
	Pay roll, carpenters and laborers on fences.....	70 02
25.	D. A. Ross, material for fences.....	67 07
June 1.	Nuppenau & Clark, account final esti- mate.....	400 00
	9. Nuppenau & Clark, balance on final estimate.....	416 22
	20. C. W. Maynard, window shades.....	78 00
	F. Borchard, book case.....	45 00
	James Roach, painting fences, etc.....	100 60
		<hr/>
		\$2,879 63
July 13.	James Nall, Jr., & Co., matting and carpets.....	151 26
Aug. 3.	A. Harvey & Son, amount of contract for steam heating and ventilating apparatus.....	2,735 00
16.	Michigan School Furniture Co., seat- ing.....	791 11
	Michigan School Furniture Co., seat- ing.....	51 45
		<hr/>
		\$3,728 82
		<hr/>
		\$3,586 78
		<hr/>

## WEBSTER SCHOOL.

1877.			
Nov. 5.	Mary A. Gilbert, for quit claim deed lot 86, Webster School, as per report of committee, Jan. 8, 1877..	\$10 00	
	Recording same.....	1 00	
			\$ 11 00

## THIR EENTH WARD SCHOOL PROPERTY.

1877.			
May 15.	State and county taxes for 1876....		2 29
Nov. 5.	A. M. Campau, on four lots, Berlin street, per order of the Board, October 25, 1877.....	100 00	
Dec. 31.	A. M. Campau, balance on same.....	1,400 00	
			1,500 00

## PAVING.

1877.			
Sept. 28.	City of Detroit, paving assessment Ab- bott street.....		88 24

## INTEREST ON BUILDING LOAN.

1877.			
April 10.	Albert Ives, three months' interest to April 1st on \$15,000 bond.....	168 75	
July 2.	A. Ives, three months' interest on \$15,000 bond to June 30, 1877.. ...	168 75	
Dec. 31.	A. Ives, interest on loan to date.....	133 15	
			470 65

## BILLS PAYABLE.

1877.			
Nov. 16.	A. Ives, on \$15,000 loan of 1876, ac- count building fund.....		10,000 00
	Total expenditure on account of Building Fund, including payment on account of last year's loan .....		\$28,206 65

## BOOK OF REFERENCE AND APPARATUS FUND.

1877.			
July 14.	Richmond, Backus & Co., books.....	\$179 50	
	E. B. Smith & Co., books.....	17 50	
	John F. Trow, books.....	31 50	
	I. M. Wellington, atlas.....	10 00	
Oct. 3.	Richmond, Backus & Co., one copy Campbell's Michigan.....	3 15	
	Total expenditure on account of Book of Reference and Apparatus Fund..		\$241 65

<del>Oct. 22</del> School Fund.....	\$184,765 81	
Building Fund.....	28,206 65	
Book of Reference and Apparatus Fund.....	241 65	
		<u>\$213,214 11</u>

## STATEMENT OF DISBURSEMENTS

*In Detail for the Year 1877 on Account of Public Library and Library Building.*

## LIBRARY FUND.

1877.

Jan. 10.	Wm. Suckert, binding and repairing books	\$179 80
12.	Hugh Currie & Bro., five cords wood.....	26 25
26.	Pay-roll librarians for January.....	316 16
	Pay-roll assistants on catalogue.....	105 54
	Detroit Gas Light Co., gas for December....	8 70
	Henry Maurer, sawing five cords wood.....	2 50
Feb. 13.	Detroit Gas Light Co., gas for January.....	7 60
	Henry Maurer, scrubbing.....	2 00
	P. Madigan, cartage.....	18 40
	John Grauss, cartage.....	2 00
	P. Hoban, whitewashing.....	5 00
	J. L. Thompson, umbrella stands.....	5 00
	R. W. King, twelve spittoons.....	12 75
	A. Dondero, one basket.....	1 75
	W. S. Penfield, wheelbarrow and scoop.....	5 00
	Farrand, Williams & Co., truck.....	11 00
	E. B. Smith & Co., invitations to opening...	12 00
	J. T. Liggett, postage stamps for same.....	2 15
	Free Press, advertising.....	5 00
	Daily Post, advertising.....	2 50
	Michigan Volksblatt, advertising.....	3 00
	Evening News, advertising.....	6 00
	O. S. Gulley, printing.....	8 25
	G. W. Cousins, labor.....	35 40
	M. Hochgraeft, two rubber stamps.....	3 50
	G. W. Cousins, labor.....	6 25
	J. M. Arnold & Co., books.....	7 00
	James Monell, work on chairs.....	10 00
	J. G. Erwin, insurance premium.....	40 50
	Librarian and assistants' pay-roll, February	322 49
Mar. 13.	J. P. Donaldson & Co., rubber tips for chairs	31 25
	L. C. Chaney, catalogue books.....	5 00

Mar. 13.	John Grauss, cartage ashes.....	1 12	
	E. B. Smith & Co., envelopes.....	3 50	
	J. E. Potter, American Monthly, one year...	3 00	
	D. P. Work, books.....	6 00	
	L. B. Walker, services .....	64 00	
	Margaret R. Patton, services.....	36 00	
	Richmond, Backus & Co., stationery.....	62 35	
	G. & R. McMillan, soap, etc.....	25 75	
	Rent of room for year 1876.....	500 00	
	Mrs. M. Patton, services.....	40 50	
	Ida Norton, services.....	10 98	
	D. C. Blair, one atlas.....	10 00	
	S. Farmer & Co., one map.....	4 00	
	L. Black & Co., three thermometers..	3 00	
	Robert Clarke & Co., books.....	3,721 04	
	H. Chaney, books.....	29 00	
	W. M. Lomasney, books.....	10 00	
	E. B. Smith & Co., books.....	70 03	
	E. G. Dudley, examining records for fines, etc.....	25 00	
	Detroit Gas Light Co., gas, February.....	24 30	
23.	Pay-roll for February .....	499 00	
			\$6,358 31
April 10.	Marcus Stevens & Co., furniture.....	51 00	
	Detroit Chair Company, writing desks.....	18 90	
	John Phillips & Bro., show case.....	27 00	
	Abbott & Ketchum, matting.....	16 95	
	Deans, Brow & Godfrey, signs.....	7 56	
	F. Wetmore & Co., spittoons, etc.....	3 05	
	Leary & Co., books.....	209 61	
	Leggat Bros., books.....	12 68	
	Sylvanus Warren, books.....	30 60	
	Wm. M. Lomasney, books.....	34 68	
	D. P. Work, books.....	26 95	
	Estate of W. E. Tunis, books.....	8 00	
	O. S. Gulley, printing. ....	70 75	
	Detroit Gas Light Co., gas for March.....	17 40	
	G. H. Raymond & Co., two stamps.....	1 00	
	Detroit postoffice, stamps.....	12 50	
	H. Chaney, express charges.....	2 35	
	Detroit Tribune, advertising.....	5 00	
27.	Pay roll, Librarian and assistants for April.	536 56	
	H. Chaney, ink, etc.....	8 20	

April 27.	Catholic Publication Society, books.....	126 45	
	Estate of W. E. Tunia, books.....	23 40	
	J. M. Arnold & Co., books.....	3 50	
	T. T. Leete & Son, one case.....	19 00	
	Brand, Humphrey & Co., one light plate glass .....	9 00	
May 15.	Fulton Iron and Engine Works, closing well-holes in Library gallery.....	100 00	
	Hopson and Bergman, galvanized iron work on same.....	38 00	
	Detroit Gas Light Co., for April.....	16 40	
	W. M. Lomaaney, books.....	8 00	
	F. Leypoldt, subscription publishers' weekly.....	5 00	
25.	Pay-roll Librarian and assistants for May...	561 67	
	Wm. Suckert, for. binding and repairing...	318 95	
	E. B. Smith & Co, books.....	27 05	
	J. M. Arnold & Co., books.....	25 68	
	D. P. Work, books.....	18 38	
	Henry Zerndorf, books.....	3 00	
	Ferguson, McKay & Co., gas fixtures.....	29 75	
	Byrams, Nuppeneau & Clark, for railing....	46 25	
	W. S. Penfield, for lawn mower.....	20 00	
June 20.	F. Borchard, four book cases.....	100 00	
	H. Chaney, sundries.....	13 11	
	Spitzley Bros., clock shelf.....	60	
	Carpenters' work at library building.....	6 00	
	J. F. Baisch, hanging bell.....	2 25	
	John Graues, cartage ashes.....	1 12	
	Detroit Water Commissioners, water, six months, to July 1st.....	12 50	
	Lockwood, Brooks & Co., books.....	80 65	
	E. B. Treat, books.....	2 35	
	Detroit Gas Light Co., gas bill, May.....	14 30	
30.	Pay-roll carpenters' work in library room...	4 43	
	Pay-roll librarian and assistants for June...	556 67	
			\$3,294 20
July 14.	Ligget Bros., books.....	\$445 63	
	Herman Reif, agent, books.....	214 85	
	J. M. Arnold & Co., books.....	34 83	
	F. A. Babcock, books.....	31 94	
	Tribune Co., books.....	31 45	
	Sylvanus Warren, books.....	10 20	
	D. P. Work, books.....	37 98	



July 14.	H. D. Edwards & Co., rubber hose.....	13 83
	L. Laurence & Co., picture frames.....	50 00
	Detroit Gas Light Co., gas, June.....	8 30
	E. B. Smith & Co., books.....	147 30
27.	Hal E. McNeil, books.....	200 00
30.	Miss Hemenway, books.....	28 67
	F. Pohl, books.....	60 00
	S. McCracken, "Michigan and Centennial".....	11 00
	Evening News, advertising.....	10 20
	O. S. Gulley, printing.....	7 00
	Daily Abend-Post, advertising.....	6 00
	W. M. Lomasney, "Dublin Exposition, 1853".....	75
	J. L. Thomson, hooks and hangers for pictures.....	12 75
	W. S. Penfield, lawn fountains.....	20 25
	Abbot & Ketchum, canopy.....	15 00
	Daily Post, advertising.....	6 75
	Detroit Free Press, advertising.....	7 00
	J. L. Fisher, lock and brackets.....	4 19
	F. Pohl, books.....	32 80
	Mrs. S. S. Barnard, books.....	5 00
	Librarian and assistants, July pay-roll.....	566 67
Aug. 14.	Detroit Gas Light Co., gas for July.....	17 33
	J. M. Arnold & Co., books.....	41 48
	E. B. Smith & Co., books.....	23 68
	D. P. Work & Co., books.....	12 78
	Daily Post Co., advertising.....	2 50
	The Capitol, advertising.....	1 25
	S. Farmer & Co., mounting map.....	1 00
	J. L. Fisher, difference in bill lock, etc.....	20
	Margaret R. Patton, services.....	10 00
	W. M. Lomasney, books.....	16 33
30.	Librarian and assistants, August pay-roll...	461 67
	E. B. Smith & Co., books.....	27 58
	Charles L. Woodward, books.....	78 98
	H. Chaney, sundries.....	5 67
Sept. 12.	Mutual Gas Light Co., for August.....	21 38
	C. H. Safford, books.....	10 00
	H. R. Lewis, books.....	5 00
	F. Pohl, books.....	30 00
28.	Librarian and assistants, September pay-roll.....	497 32
		<hr/> \$3,284 49

Oct.	3.	H. M. Crittenden, services in August on catalogue.....	10 50
		Richmond, Backus & Co., stationery.....	14 00
		Brand, Humphrey & Co., painting iron floor, etc.....	17 16
		M. Kramer & Co., advertising.....	6 50
		F. Leyboldt, subscription Library Journal.....	5 00
		Estate of A. D. Fraser, books.....	400 00
	12.	Mutual Gas Light Company, gas for September.....	31 62
		C. H. Safford, books.....	24 30
		J. C. Macy, three volumes Scientific American.....	2 00
		Detroit Tribune, advertising.....	6 00
		Detroit postoffice, postal cards.....	10 00
		H. Chaney, sundries.....	2 25
	31.	Pay-roll for October.....	414 67
Nov.	5.	James E. Pittman, 57 tons 690 pounds of coal.....	329 73
		Stubensky & Lanyon, eight cords wood.....	32 96
		Lane Bros., gas fitting.....	4 35
		J. Grant, carting ashes.....	1 00
		W. M. Congreve, five volumes Encyclopedia.....	49 50
		J. M. Arnold & Co., books.....	49 30
		H. Cheney, books.....	34 65
		M. Hochgraef, engraving plates.....	15 50
	16.	David G. Francis, books.....	177 23
		E. B. Smith & Co., books.....	94 12
		G. & M. Roebmlein, books.....	29 95
		D. P. Work, books.....	2 28
		H. Cheney, freight, etc.....	1 91
		Mutual Gas Light Co., gas for October.....	38 25
		Carpenter work and labor, per pay-roll.....	9 00
		H. Breitenbecher, weighing 57 690-2000 tons coal.....	5 73
		Marcus Stevens & Co., two tables.....	26 00
		Detroit Printing Co., printing catalogue....	808 80
	28.	Detroit Water Commissioners, water supply Belle Isle Ice Co., ice season 1877, six months to January 1, 1877.....	12 50
		E. B. Smith & Co., books.....	6 00
		E. B. Smith & Co., books.....	119 55
		Detroit News Co., books.....	33 83

Nov. 23.	Wm. Suckert, rebinding books.....	215 30
	Richmond, Backus & Co., binding catalogue.....	33 75
30.	Pay-roll for November.....	389 17
Dec. 20.	Mutual Gas Light Co., gas for November....	45 00
	David G. Francis, books.....	153 28
	E. B. Smith & Co., books.....	181 85
	D. P. Work, books.....	50 05
	J. M. Arnold & Co., books.....	57 74
22.	Pay-roll for December.....	389 17
		<hr/> \$4,341 45
	Account Library Fund.....	<hr/> \$17,278 45

## NEW LIBRARY BUILDING.

1877.

Jan. 4.	Byrams, Nuppenau & Clark, account, shelving, counters, etc.....	\$800 00
10.	D. Knapp, eleventh estimate .....	1,800 00
11.	Pay-roll carpenters, December 7th to 23d....	17 80
12.	Brush & Smith, balance for plans, etc.....	350 00
	H. A. & S. G. Wight, lumber.....	31 48
26.	Pay-roll carpenters, January 4th to 20th...	44 65
	James McEwan & Co., plumbing.....	217 82
	Detroit Chair Co., chairs.....	243 75
	Byrams, Nuppenau & Clark, balance.....	550 07
Feb. 13.	F. Wetmore & Co., gas fixtures.....	960 00
	Brand, Humphrey & Co., painting.....	271 55
	David Knapp, on contract.....	4,000 00
	David Knapp, on contract.....	2,410 60
	Spitzley Bros., four tables.....	40 00
	W. Wright & Co., one clock case.....	34 00
	Sutherland & Flach, one desk.....	40 00
	Geo. Hanley & Bro., plastering.....	25 00
	D. A. Ross & Co., lumber.....	15 04
	Hopson & Bergmann, extra squares.....	10 00
	J. L. Fisher, trimmings.....	14 33
	Pay-roll carpenters, January 22d to February 3d.....	13 40
	Marcus Stevens & Co., furniture.....	76 66
	Standish, Bolles & Morris, wire work.....	70 80
Mar. 23.	T. T. Leete & Son, furniture.....	68 00
		<hr/> \$12,104 95

April 5.	David Knapp, third payment on final settlement.....	\$2,686 13	
	David Knapp, fourth payment on final settlement.....	676 00	
April 10.	Byram, Nuppenau & Clark, work on elevator table.....	39 29	
May 10.	David Knapp, fifth payment on final settlement.....	704 00	
June 1.	David Knapp, painting steps.....	20 00	
2.	A. Harvey & Sons, work on elevator.....	16 00	
13.	David Knapp, sixth payment on final estimate.....	217 00	
	David Knapp, seventh payment on final estimate.....	304 00	
	A. Harvey & Son, final payment on heating and ventilating apparatus.....	380 00	
		<hr/>	\$5,042 42
July 2.	J. L. Thompson, window guards.....	\$113 10	
11.	David Knapp, final payment on contract for construction of the building.....	605 71	
		<hr/>	\$718 81
	Account Library Building Fund.....		\$17,866 18
		<hr/>	
	Total expenditure for the year on Library and Library building.....		\$35,144 63
		<hr/>	
		<hr/>	



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**REPORT OF COMMITTEE ON PUBLIC LIBRARY.**

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## REPORT OF COMMITTEE ON PUBLIC LIBRARY.

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### *To the Board of Education :*

Your Committee on Public Library present their annual report as follows : After the last annual report of our predecessors had been made, the Library, which had been closed to the public for a month to permit the transfer of the books to the new Library building, was, on the 22d day of January last, again opened to the public. At the formal opening and dedication of the building, His Honor Alexander Lewis, Mayor of the city, presided, assisted by Col. Freeman Norvell and Hon. G. W. Balch, president, and late president of the Board of Education, by whom addresses were made, and also by John T. Liggett, Esq., chairman of the Committee on Public Library, Hon. C. I. Walker, Hon. J. W. Romeyn, Hon. Wm. P. Wells, Hon. Levi Bishop, Hon. D. B. Duffield, and Col. Sylvester Larned, former members of the Library Committee and Board of Education, who by their efforts had contributed to the grand result—the construction of a magnificent fire-proof building with a capacity for two hundred thousand volumes of books, and then containing upwards of 30,000 volumes, and without the imposition or entailment of any burden on the tax-payers for the purchase of books or the maintenance of a library which was and would ever be absolutely free to readers.

The dedication ceremonies were very successful and pleasant, and the event marked an era in the history of the city. It was estimated that the Library room was visited during the evening by 5,000 ladies and gentlemen. It is believed that there is not another city in the country no larger than Detroit which has so completely appointed and admirable a Library building, or such brilliant pros-



pects for a large and splendid library in the future. To quote from the address of Mr. Romeyn: "The Library is created and supported by fines and proceeds of recognizances from those who violate the law, and from the application of the penalties the ignorant are to be instructed and the unlearned taught. There seems to be much of the 'eternal fitness of things' in the laws which make these provisions."

All of the speakers, as well as the citizens present, generally expressed a desire to have the building completed as originally designed, providing a public reading room, rooms for scientific and historical museums, with an art gallery and art studios over all. Such addition, it is estimated, would cost about \$50,000—a sum very inconsiderable in view of the great advantage to be gained to the public, for literature, science, art, history, and historical relics and reminiscences all contribute to the enlightenment of the people, and your committee express the hope that authority will be obtained from the next Legislature to enable this to be done and that such addition will be constructed at an early day.

The library room is designed to have four galleries, making five tiers of alcoves for books, each gallery to contain 20 alcoves; but one gallery has been constructed, which, with those on the main floor, gives 27 alcoves at present, in which are 4,400 lineal feet of shelving for books, besides which there are six conveniently arranged cases and desks for large books, atlases, bound volumes of newspapers and periodicals, etc., and one glass case for rare books of value, all of which are well filled with books, while there are at present thousands of volumes for which there is no shelf room, and which are constantly being added to by purchase, necessitating the construction of an additional gallery as soon as practicable, and which, it is expected, will be in place during the present winter—adding 3,000 lineal feet of shelving, making in all 7,400 lineal feet.

The following statement shows the receipts and expenditures on account of the Library for the year ending December 31st, 1877, and the balance of money on hand January 1st, 1878:

## BALANCES ON HAND, JANUARY 1, 1877.

Library Fund proper.....	\$26,429 48
Library Building Fund.....	11,425 89
	<hr/> \$37,855 37

## RECEIPTS.

From City Treasurer for new building on appropriation of 1874.....	\$681 07
On appropriation of 1875 .....	1,040 29
On appropriation of 1876 .....	5,336 01
	<hr/> \$7,057 37
For interest Building Fund.....	70 64
From County Treasurer, from fines and penalties.....	6,163 24
From sale of shelves.....	27 20
From Robert Clark & Co.....	7 65
From Library fines and sale of old catalogues.....	30¼ 52
From sale of new catalogues.....	60 00
For interest on Library Fund proper.....	632 25
	<hr/> \$52,178 24

## EXPENDITURES.

For books, salaries, etc.....	\$17,278 45
For final payment to contractors and for finishing building.....	17,866 18
	<hr/> \$35,144 63
	<hr/> \$17,033 61

## BALANCES JANUARY 1, 1878.

Library Fund proper.....	\$16,345 89
Library Building Fund.....	687 72
	<hr/> \$17,033 61

The following is a statement of the money received and disbursed on account of the Public Library from its commencement to December 31st, 1877:

## RECEIPTS.

From County Treasurer, fines, etc.....	\$101,120 18
From Library fines and sale of catalogues .....	3,461 43
From sale of books.....	69 00
From sale of new catalogues.....	60 00
From sale of fence and shelving.....	193 66
From interest on Library Fund.....	5,002 94
From City Treasurer, for Library building.....	121,696 34
From interest on Library Building Fund.....	2,192 47
From insurance premium returned.....	50 00
From Robert Clark & Co.....	7 65
Total.....	<hr/> \$238,853 67

## EXPENDITURES.

For Library building.....	\$123,201 09	
For books and maintenance of Library.....	93,618 97	
	<hr/>	\$216,820 06
Balance cash on hand January 1, 1878.....		<hr/> <hr/> \$17,033 61

## LIBRARY STATISTICS.

Number of volumes, December 31, 1876.....	33,604
Added by purchase in 1877.....	4,055
Added by gift, exclusive of pamphlets .....	303
	<hr/> 37,962

Number of volumes lost during 1877.

The loss of the records about the 3d of June makes it impossi- ble to state this exactly, probably .....	50
Number of volumes worn out or defective.....	136
Number added by purchase in 1876 was overstated.....	27
	<hr/> 313

Whole number of volumes belonging, December 31, 1877..... 37,703

The Library has been open 286 days. It was closed from the 1st to the 24th January, and after that date on 49 Sundays, 5 holidays, and on the 24th December.

The number of books drawn during the year cannot be stated precisely, owing to the loss of records above mentioned—On several days over a thousand volumes were given out—probably not less than..... 150,000

The number consulted at the library, not less than ..... 12,000

Whole number drawn and consulted, not less than ..... 162,000

Number of notices mailed to borrowers detaining books over time..... 3,500

On the Register which was taken away June 3d, at least 12,000 names of patrons were signed to the agreement. This Register had been in use over 12 years. The new Register was opened June 8th, and had on the 31st day of December, names of patrons..... 4,286

Many consult books at the Library, who, because they are not citizens of Detroit, or for other reasons, have not signed the agreement.

Number of volumes rebound or repaired during the year 1877..... 4,667

During the past summer there has been compiled and published a complete classified catalogue, with index of subjects, of the books in the library. Twenty-five hundred copies of the same were printed, which are sold to patrons at the low price of fifty cents per copy,

from which it is estimated that a sufficient amount will be realized to defray the cost of printing at least.

The number of volumes of books in the library at the end of each year and the number of volumes circulated annually since it was established are shown in the following table :

<i>Years.</i>	<i>No. of Volumes.</i>	<i>Vols. Circulated.</i>
1865	8,864	4,700
1866	10,959	15,000
1867	15,020	30,000
1868	15,620	35,000
1869	17,586	40,000
1870	18,717	40,000
1871	21,161	45,600
1872	22,115	98,000
1873	22,882	115,000
1874	24,176	145,000
1875	24,903	148,000
1876	33,604	148,000
1877	37,703	150,600

\* Open to the public only eleven months.

The number given of books circulated does not include books consulted at the library.

The number of volumes and pamphlets presented to the library during the year 1877, with names of donors, were as follows :

	<i>Vols.</i>	<i>Pamphlets.</i>
Mrs. N. Avery, Detroit.....	33	
Hon. Moses W. Field, Detroit.....	32	
Gen. Alpheus S. Williams, M. C. 1st dist. Michigan.....	42	
United States.—Department of State.....	1	
“ —Department of the Interior.....	59	
“ —Treasury Department.....	1	
“ —Surgeon General's Department.....		1
Wm. Jennison, Detroit.....	16	11
John Newell, “ .....	14	
Smithsonian Institute, Jos. Henry, Sec.....	9	
Water Commissioners, Detroit, Annual Report .....		1
John J. Bagley, Detroit.....	1	7
M. Almy Aldrich, “ .....		17
Hon. Levi Bishop, “ .....	1	
Hon. H. P. Bridge, “ .....	1	

Frank Buttrick,	Detroit.....	2	
Henry A. Cheney,	" .....		7
Edmund Hall,	" .....		1
Board of Education,	" .....	2	
Mrs. Margaret Patton,	" .....	1	
Jos. Richardson Parke,	" .....	2	
Fire Commissioners,	" .....		1
E. I. Garfield,	" .....	4	1
Geo. S. Davis,	" .....		3
Hon. Lyman Cochrane,	" .....		2
Hon. Edwin F. Conely,	" .....	2	
Gen. C. B. Comstock, U. S. A.,	" .....		2
Detroit Free Press Co., vol. of Free Press from 1834 to 1876,		42	
Board of Education, Toledo, O.....			1
Board of Education, Dayton, O.....		2	
Mrs. H. A. Tenney, State Librarian, Lansing.....		1	
Unitarian Review.....			12
Unknown, from Poughkeepsie, N. Y.....			1
H. F. Bassett, Waterbury, Conn.....			2
Gen. S. V. Benet, U. S. A.....		1	
C. Bassett, Librarian, Evansville, Ill.....			1
Rear Admiral C. H. Davis, Washington.....		2	
Louis De Lamarter, Lansing, Mich.....		1	10
Duke of Richmond and Gordon, London, Eng.....		1	
John N. Dyer, Librarian, St. Louis, Mo.....			1
Wm. Ershaw, Dayton, O.....		1	
John Eaton, U. S. Commissioner of Education .....		1	
D. H. Gorton & Co., New York.....			1
Miss Abby M. Hemenway, Vermont.....			3
F. B. Hough, Lowville, N. Y.....		1	
Jones Bros., Cincinnati, O.....		2	
Wm. Kite, Friends Librarian, Philadelphia.....		1	1
"Manfred," London, Eng.....		1	
Mich. Board of Geological Survey.....		1	
" Commissioner of Insurance, S. N. Row. ....		1	
" Commissioner of Rail Roads, W. B. Williams.....		1	
" State Board of Health, Dr. Baker.....		1	2
" Superintendent Public Instruction, D. B. Briggs.....		1	
" University, H. D. Bennett, Secretary.....		1	3
" State Department.....		7	1
Wm. H. Payne, Adrian.....			1
Wm. T. Peoples, Libr., New York.....			1
Wm. F. Poole, Librarian, Chicago.....			4

T. B. Potter, Honorable Secretary Cobden Club.....	1	
The Evening News Co., Detroit.....	4	
Robert A. Tyrrel.....	3	
Elijah Ward, late M. C.....	1	
Rev. J. T. Webster, Sec. Com. P. E. Ch.....	1	
Alfred Whitaker, Librarian, San Francisco.....	1	
Justin Winsor, Boston, Mass.....	3	
Dr. W. E. Woodbridge.....	1	
Yale College, F. B. Dexter, Secretary.....	1	
Dr. Henry Zindorf.....	3	
City of Detroit, reports 1876.....	1	
<b>Totals.....</b>	<b>303</b>	<b>109</b>

There was received from Washington a *fac simile* of a document entitled "The Administrators of the United States Government at the beginning of the Second Century;" size, 36x52 inches ornamented with an emblematic engraved border. Accompanying it was a printed key, both of which were elegantly framed, and adorn the walls in the library room. The publisher in a letter accompanying them said: "They were purchased by a citizen of Detroit, and by request the name of the donor is withheld" The thanks of the Board of Education was mailed to the publisher in Washington to be presented to the unknown donor, and the same was returned from the dead letter office, when it was remailed addressed to ex-Gov. John J. Bagley—and not returned.

A large, new map of the United States, received from the Interior Department, has been mounted and hung on the wall.

The *Christian Register* and *The Womans Journal* have been regularly received. Several other papers, from time to time, and very many publishers' and booksellers' catalogues have been received.

The bound volumes of the *Detroit Free Press*, embracing the period from 1834 to 1876, both inclusive, presented by the Free Press Company, contain much of the history of the past 43 years, and are particularly interesting and valuable for the local history they contain. In the hereafter, they will undoubtedly be frequently referred to by those interested in the past of this, the most ancient city of the Lakes.

Among the donations received from Gen. Alpheus S. Williams, M. C., Hon. Moses W. Field, and others, are many rare books of value, which could not have been obtained by purchase.

The books purchased the past year have been largely of history, travels, biography, and books of reference, while all of the recent publications of works of fiction deemed desirable have been added as they were to be procured.

The regular force employed at the Library during the year was as follows :

Prof. Henry Cheney, Librarian, Miss Adda D. Pattison, Miss Ida Norton, Mrs. Sarah E. Doll, Miss M. E. Ladue, and Miss L. Teichner, assistants, and Edward Beaubien janitor.

ROBERT E. ROBERTS,  
HENRY F. LYSTER,  
C. A. KENT,  
WM. N. LADUE,  
A. BORROWMAN,  
*Committee on Public Library.*

DETROIT, January 12, 1878.

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**REPORT OF COMMITTEE ON TEACHERS  
AND COURSE OF STUDY.**

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# REPORT OF THE COMMITTEE ON TEACHERS AND COURSE OF STUDY.

*To the Board of Education :*

The Committee on Teachers and Course of Study respectfully submit the following annual report for the calendar year ending December 31, 1877 :

Number of teachers employed at the close of December, 1876.....	225
Number of teachers employed at the close of December, 1877.....	233
Increase of number of teachers.....	8
Amount of pay-roll of teachers for December, 1877.....	\$ 13,486 78
Deducting salary of clerk in Superintendent's office.....	\$70 00
Also deducting salary of clerk in High school.....	15 00
	85 00
	13,401 78
Amount of pay-roll of teachers for December, 1876.....	13,143 65
Deducting salary of clerk as above.....	\$85 00
Also deducting salary of teachers in evening schools.....	180 00
	265 00
	12,878 65
Increase of pay-roll over corresponding number last year.....	523 13
Number of pupils in membership at close of 1877.....	10,905
Number of pupils in membership at close of 1876.....	10,125
Increase of membership over corresponding month last year.....	780

One examination of teachers was held during the year, in the month of August. Eighty-seven candidates presented themselves, of whom 70 were graduates of the High School, and 17 were from other schools and colleges. Of these, 20 received the certificate of the Board. Of the 20 who passed the examination, 15 were graduates of the High School, and five from other schools and colleges. Ten of the 20 are now doing good service as teachers in

the schools; three (3) are engaged elsewhere, and seven are waiting appointment here.

The Committee heartily endorse the present method of thorough oral and written examinations of candidates. This process reaching not only to acquirement in academic studies, but also to the candidates' fitness to govern, and to communicate knowledge is supplying the schools with a constantly improving corps of teachers.

The policy of this Committee and its predecessor has been to grant certificates to only such a number of examined candidates, taking the highest per cents., as will probably supply the wants of the schools for a single year, thus giving to each class graduating from the High School an opportunity to compete; and to the schools the benefit arising from a selection of the best teaching ability from each class. Hence, a failure to obtain a certificate does not necessarily imply unfitness or incompetence on the part of the candidate failing, but only that, in the judgment of the Committee, other members of the class possess in a greater degree the qualities requisite to a successful teacher.

Your Committee adhere to the policy announced in one of its earliest reports, respecting the appointment of men as principals in our large schools whenever vacancies occur. The experience of the past year has strengthened the judgment of the Committee on this point. We believe that public sentiment as well as the best interest of the schools demands a return to the former policy of the Board and the appointment of men as principals whenever vacancies occur in our present faithful corps of principals.

The course of study has remained unchanged during the year just closed, but the careful and detailed specifications of its requirements now in the hands of every teacher, and the recently adopted plan of offering promotion to any class, or any individual, at any time when the requisite knowledge has been acquired, has made it of far greater value to pupils, and has inspired them and their teachers with a new ambition. Pupils and teachers understand that no one need wait for others; and that industry and skilful work may have its legitimate reward, viz., promotion in grade, on any day in the year.

We take great pleasure commending the eminent faithfulness and efficiency of the corps of teachers now employed by the Board. Their difficult work is done under many disadvantages and discouragements, and their earnest devotion to their work is worthy of all praise. They deserve whatever of support and kind encouragement this Board and the public have in their power to bestow.

G. W. BALCH, Chairman,  
J. HENRY CARSTENS,  
THOMAS McGRATH,  
ADAM SIMPSON,  
WM. N. LADUE.



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**REPORT OF THE SUPERINTENDENT OF SCHOOLS.**

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# REPORT OF THE SUPERINTENDENT OF SCHOOLS.

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DETROIT, December 31, 1877.

*To the Board of Education:*

GENTLEMEN—I respectfully submit the following report of the public schools for the school year beginning September 1st, 1876, and closing August 31st, 1877. It will be seen that the time covered by this report does not correspond with the calendar year. It is a custom now almost universal throughout the country to begin and end the school and the statistical year as indicated above; and any report not conforming to general usage in this respect would lose much of its value for purposes of comparison, and fail to furnish the information needed by the National Bureau of Education and the State educational authorities. In order to bring the information contained in the report down to the present time, I have added the more important statistical items for the first four months, viz., September, October, November, and December, of the current school year 1877-8:

## STATISTICS FOR THE SCHOOL YEAR 1876-7.

Number of children between five and twenty years of age (census taken October, 1876).....	35,172
Estimated valuation of school property.....	\$780,000 00
Cost of superintendence and instruction.....	132,742 30
Cost of incidentals, including extraordinary repairs and all current expenses, except as above.....	50,687 36
Number enrolled in the schools from each 100 of the school census.....	38.1
Average number of weeks of membership of each pupil enrolled	29.2
Average number of weeks' attendance of each pupil enrolled....	28.9



## I.

	Primary Depart- ment	Gram. School Dept.	High School Dept.	Totals and Average.
Whole No. of different names enrolled.....	9518	2993	785	13291
Average membership for the school year.....	6742	2896	631	10209
Average daily attendance.....	6356	2681	604	9641
Number of pupils in membership at close of school year (June 1877).....	6491	2617	577	9685
Men teachers at close of school year (June 1877) including Supt. and two special teachers.....	1	2	4	10
Women teachers at close of school year.....	123	80	15	218
Average number of teachers for the year, not in- cluding Supt. or specials.....	128.07	76.18	19	223.2
Average number of teachers for the year, includ- ing two special teachers.....				225.2
Average number of pupils to the teacher (exclud- ing special teachers).....	52.7	37.3	33.3	46.2
Cost of education per capita for superintendence and instruction.....	\$10.01	\$17.45	\$24.80	\$13.00
Cost of education per capita for incidentals.....	\$4.96	\$4.96	\$4.96	\$4.96
Total cost of education per capita.....	\$14.97	\$22.41	\$29.76	\$17.96
Average age of pupils promoted from each depart- ment.....	11	14.9	17.9	.....
Average salary of all teachers.....				\$575.67
Average salary of all teachers exclusive of special teachers.....				\$566.49
Average salary of special teachers.....				\$1500.00

## II.

## SCHOOL CENSUS SINCE 1840.

1877..	35,739
1876.....	35,172
1875.....	34,593
1874.....	33,772
1873.....	31,926
1872.....	30,230
1871.....	28,779
1870.....	26,641
1869.....	27,039
1868.....	22,810
1867.....	21,742
1866.....	20,353
1865.....	18,710
1864.....	17,399
1863.....	16,473
1862.....	15,398
1861.....	14,136
1860.....	14,159
1859.....	13,208
1858.....	13,138
1857.....	12,688
1856.....	10,502
1855.....	99,12
1854.....	9,983
1853.....	8,520
1852.....	7,883
1851.....	7,253
1850.....	6,965
1849.....	6,306
1848.....	6,546
1847.....	5,846
1846.....	3,882
1845.....	4,039
1844.....	3,821
1843.....	2,985
1842.....	2,239
1841.....	2,093

### III. SCHOOL CENSUS BY WARDS.

Taken October 1876.

WARDS.	NATIVITY OF PARENTS.						No. between 5 and 20 years of age.	No. of same not attending any School during 1876.	No. at trades or at work for wages.	No. between 8 and 14 years of age.
	America.	Germany.	France.	Ireland.	England and Scotland.	Other Countries.				
First.....	299	59	5	70	51	38	1128	485	897	142
Second.....	27	29	4	6	9	6	225	119	64	83
Third .....	125	187	6	40	42	51	1129	494	340	207
Fourth .....	177	368	22	58	34	34	1771	805	709	204
Fifth .....	899	126	11	164	208	89	3281	1155	1184	333
Sixth.....	410	319	7	95	144	101	2866	1242	892	547
Seventh.....	116	671	34	93	68	180	3185	1525	933	592
Eighth.....	386	136	18	502	209	90	3608	1782	1178	716
Ninth.....	451	375	26	578	386	162	5246	2514	1990	971
Tenth .....	218	373	231	44	168	96	3525	1599	1338	631
Eleventh .....	204	352	19	68	65	117	4082	2086	1139	1019
Twelfth .....	162	180	14	141	95	215	3047	1012	784	341
Thirteenth.....	44	944	60	22	26	109	3084	1837	1186	601
Totals.....	3018	4569	457	1866	1445	1283	35172	16805	12134	6387

The Increase in School Population over 1875 is 579.

## IV.

## ENROLLMENT, ATTENDANCE, ETC., IN EACH SCHOOL.

NAMES OF SCHOOLS.	FOR SCHOOL YEAR 1886-7.				FOR FIRST FOUR MONTHS OF 1877.			
	Whole number of different pupils enrolled.	Average number of pupils belonging.	Average daily attendance.	No. of teachers in each school at the end of June 1877.	Whole number of different pupils enrolled.	Average number of pupils belonging.	Average daily attendance.	No. of teachers in each school Dec. 31st, 1877.
High School.....	785	631	604	19	704	642	623	21
Wilkins School.....	859	628	596	13½	806	667	684	13
Abbott St. School.....	22	29	28	1				
Third Ward School....	178	78	69					
Everett School.....	787	588	560	13	717	630	604	13
Cass School.....	921	744	706	17	852	771	737	17
Irving School.....	250	193	181	4	242	225	214	4
Clay School.....	235	189	178	4	240	218	208	4
Washington School...	707	633	596	13	723	652	622	13
Miami Ave. School....	154	106	101	2	135	116	111	2
Bishop School.....	1096	887	843	18	1110	973	985	19
Lincoln School.....	279	198	186	4	262	227	213	4
Barstow School.....	790	619	588	13	747	624	596	13
Old Clinton School....	315	140	134					
New Clinton School....	50	177	165	8	520	450	427	8
Houghton School.....	644	506	482	12½	604	567	541	13
Franklin School.....	442	360	334	7	457	378	362	7
Jefferson School.....	689	519	548	13	756	660	611	13
Tappan School.....	756	589	560	13	788	668	629	13
Thompson School.....	83	50	47	1	77	56	54	1
Duffield School.....	885	680	646	14	722	677	646	14
Pitcher School.....	628	438	407	10	568	480	451	11
Webster School.....	760	552	519	13	731	647	613	14
Jackson School.....	466	306	286	6	388	314	295	6
Fort St. East School...	130	114	110	2	138	113	94	2
Campbell School.....	323	186	167	4	249	214	197	4
St. Aubin Ave. School.					151	111	106	2
Totals.....	18291	10209	9641	225	12682	11075	10626	231
Special Teachers.....				2	Special Teachers.....			2
				227				233

## V,

## STATISTICS FOR THE FIRST FOUR MONTHS OF THE CURRENT SCHOOL YEAR.

1877-78.

Whole number of children between 5 and 20 years of age (census taken October, 1877. ....	35,739
Increase over last year.....	567
Cost of superintendence and instruction is at the rate per year of	\$137,710.62
Number of teachers December, 1877, including two special teachers.....	233
Increase over number for December, 1876.....	8
Increase over average of last school year .....	7.1

	Pri- mary Dept.	Gram. School Dept.	High School Dept.	Totals and Av'gs.
Whole number of different names enrolled to December 31, 1877.....	8,946	3,032	704	12,682
Average membership for current year to December 31, 1877.....	7,636	2,772	642	11,075
Increase over average membership of last school year.....				866
Average daily attendance for current school year to December 31, 1877.....	7,268	2,638	623	10,524
Increase over average daily attendance of last school year.....				883
Number of pupils in membership at the close of December, 1877.....	7,587	2,685	633	10,905
Average number of teachers for the current school year to December 31, excluding two special teachers.....	135.08	74.30	21	230.3
Average number of teachers for current school year to December 31, including two special teachers.....				232.3
Increase over average of last school year.....				7.1
Average No of pupils to the teachers for the current year December 31, excluding special teachers.....	56.4	36.00	30.6	48.00

Cost of education per capita for superintendence and instruction for the current year to December 31, is at the rate per year of.....	\$ 12.47
The average salary of all teachers is at the rate per year of.....	578.61
The average salary of all teachers, except special teachers, is at the rate per year of.....	575.05

## VI.

Number of pupils in membership at the end of December, 1877,  
in each department of the schools.

The number belonging in High School.....	633
The number belonging in Grammar Schools.....	2,685
The number belonging in Primary Schools.....	7,587
	<hr/>
	10,905

## VII.

Distribution of pupils in the various grades at the end of the  
year 1877.

## HIGH SCHOOL.

Post graduate students in High School.....	29
Twelfth grade, (last year in High School).....	107
Eleventh grade.....	135
Tenth grade.....	156
Ninth grade.....	206
	<hr/>
	633

## GRAMMAR SCHOOL.

Eighth grade.....	365
Seventh grade.....	543
Sixth grade.....	765
Fifth grade.....	1,012
	<hr/>
	2,685

## PRIMARY GRADE.

Fourth grade.....	1,377
Third grade.....	1,660
Second grade.....	1,799
First grade.....	2,751
	<hr/>
	7,587
	<hr/>
	10,905

## VIII.

## SCHOOL CENSUS BY WARDS.

Taken October, 1877.

WARDS.	NATIVITY OF PARENTS.						No. between 5 and 20 years of age.	No. of same not attending any school during 1876-7.	No. at trades or at work for wages.	No. between 8 and 14 years of age.
	America.	Germany.	France.	Ireland.	England and Scotland.	Other Countries.				
First.....	215	37	8	90	73	30	1159	506	329	220
Second.....	25	29	.....	7	11	15	220	122	48	67
Third.....	117	138	13	38	41	23	960	476	345	259
Fourth.....	148	321	126	54	49	81	1826	882	780	319
Fifth.....	728	81	10	181	222	127	3431	1361	987	501
Sixth.....	407	327	8	82	140	126	2086	1325	961	644
Seventh.....	226	628	62	82	41	72	3031	1405	962	321
Eighth.....	281	119	20	490	25	75	3430	1625	1101	592
Ninth.....	505	409	30	585	342	165	5506	2558	2038	1013
Tenth.....	247	387	200	220	173	126	3681	1769	1455	656
Eleventh.....	211	858	34	51	58	258	4265	2134	1698	855
Twelfth.....	176	164	10	140	100	135	2121	1001	754	171
Thirteenth.....	92	1006	34	13	10	52	3183	1246	1424	502
Totals.....	3373	4504	555	2030	1280	1285	35789	16410	12877	6120

Increase over last census 567.

## IX.

The following table shows the location and capacity of the schools at the close of December, 1877 :

Names of schools.	Wards.	No. of sit- tings at the close of 1876.	No. of sit- tings Dec. 31, 1877.
High.....	5	674	742
Wilkins.....	1	711	711
Abbott Street.....	1	111	111
Third Ward.....	3	135	135
Everett.....	4	686	686
Cass.....	5	781	781
Irving.....	5	232	242
Clay.....	5	224	224
Bishop.....	6	918	1,015
Washington.....	6	688	688
Miami Avenue.....	6	125	125
Lincoln.....	6	239	230
Barstow.....	7	680	689
Clinton.....	7	503	477
Houghton.....	8	612	620
Franklin.....	8	374	382
Jefferson.....	8	679	691
Tappan.....	9	684	696
Pitcher.....	12	686	686
Thompson Street.....	9	72	56
Webster.....	12	640	687
Duffield.....	10	719	723
Jackson.....	10	323	321
Fort Street.....	10	128	128
Campbell.....	13	355	355
Trowbridge.....	9	243	243
St. Aubin Avenue.....	13		105
		<hr/> 12,222	<hr/> 12,549



## X.

The following tables exhibit the different salaries paid, and the number of teachers receiving each, according to pay rolls, as follows :

<i>Pay-roll of Dec., 1876.</i>		<i>Pay-roll of Dec., 1877.</i>	
1 teacher at.....	\$2,000	1 teacher at.....	\$2,000
3.....	1,500	1.....	1,500
1.....	1,300	1.....	1,400
8.....	1,200	10.....	1,200
1.....	1,067	1.....	1,100
1.....	975	1.....	1,005
1.....	925	1.....	1,000
4.....	900	4.....	900
2.....	825	1.....	875
6.....	800	1.....	850
9.....	775	2.....	825
8.....	700	5.....	800
4.....	675	8.....	775
1.....	669	1.....	750
7.....	650	3.....	725
1.....	640	13.....	700
3.....	625	4.....	675
12.....	600	12.....	650
13.....	575	1.....	625
1.....	558.50	11.....	600
23.....	550	1.....	580
11.....	525	19.....	575
18.....	500	11.....	550
24.....	450	17.....	525
2.....	425	22.....	500
26.....	400	2.....	475
19.....	350	21.....	450
2.....	325	18.....	400
19.....	300	1.....	375
		15.....	350
		24.....	300

The above table for 1876 includes the salaries of a special teacher of penmanship and a special teacher of music at \$1,500 each; and for 1877, a teacher of penmanship at \$1,200, and a teacher of music at \$1,000.

## XI.

## SCHEDULE OF ANNUAL SALARIES.

## HIGH SCHOOL.

Principal .....	\$2,000 00
First class assistants.....	1,200 00
Assistants in charge of assembly rooms.....	900 00
Assistants in tenth, eleventh and twelfth grades not in charge of assembly rooms.....	800 00
Regular assistants in ninth grade—	
First year.....	675 00
Second year.....	725 00
Third year and thereafter.....	775 00
Other assistants are paid at regular rates (see below).	

## PRINCIPALS.

Principals of Cass and Bishop Schools—	
For first year of service.....	\$1,200 00
For second year of service.....	1,300 00
For third year of service.....	1,400 00
For fourth year of service and thereafter.....	1,500 00
Principals of twelve-room buildings—	
For first year of service.....	\$1,000 00
For second year of service.....	1,100 00
For third year of service and thereafter.....	1,200 00
Principals of eight-room buildings.....	850 00
Principals of buildings of less than eight rooms, for each room except their own, in addition to regular rates.....	25 00
First assistants in buildings of twelve or more rooms, in addition to regular rates.....	75 00
Principals and first assistants in twelve-room buildings, in case not all the rooms are occupied, are paid as above, with the following deductions:	
For each unoccupied room there is deducted from the annual salary of the principal.....	\$25 00
From the annual salary of the first assistant.....	6 25

## REGULAR RATES.

For first year of service in the Detroit public schools .....	\$300 00
For second " " " " " " .....	350 00
For third " " " " " " .....	400 00
For fourth " " " " " " .....	450 00
For fifth " " " " " " .....	500 00
For sixth " " " " " " .....	525 00
For sev'nth " " " " " " .....	550 00
For eighth " " " " " " .....	575 00
For ninth " " " " " " .....	600 00
For tenth " " " " " " .....	650 00
For elev'th " " " " " " .....	700 00

XII.

STATEMENT OF ENROLLMENT, ATTENDANCE, NO. OF TEACHERS AND SALARIES FOR TEN YEARS.

	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.* From Jan-June	1876. From July-Dec.	1876-7.
Whole No. of children between 5 and 20 years of age, as per School Census.....	22810	27089	2641	28779	30720	31926	32772	34598	.....	35178	35739
Whole No. of different names enrolled in school registers.....	9708	10717	11292	11866	11764	12185	12968	13739	11744	11977	12591
Increase over preceding year.....	482	1014	585	614	.....	422	798	765	.....	.....	.....
Per centum of school enrollment on School Census.....	42.5	39.6	42.2	41.2	39	38.1	38.4	39.7	.....	.....	37.1
Average number of pupils belonging to the schools.....	6480	7127	7505	7988	7865	8235	8966	9294	9836	10480	10209
Per centum of number belonging on the School Census.....	28.4	26.8	28.1	27.7	26	26	26.5	26.8	26.6	29.9	28.5
Average daily attendance.....	6287	6988	7261	7749	7608	7966	8611	8760	8923	9687	9641
Per centum of daily attendance on the School Census.....	27.3	25.5	27.8	26.8	25	25	25.5	25.3	25.0	28.1	26.9
Average No. of weeks schooling for each pupil enrolled.....	27	27	27	27	27	27	27	27	19.1	18.9	30.7
Average number of teachers for the year.....	107.5	122.0	135.0	161.0	169.0	181.0	192.5	214.6	222.5	226	226.2
Average salary paid to each teacher of the average number for the year.....	\$465.00	\$453.00	\$457.00	\$449.00	\$432.00	\$491.00	\$518.00	\$549.00	\$568.40	\$572.44	\$576.67

\* In 1876 a change was made in the time of beginning and ending the school statistics. This makes it necessary to divide this year into two portions and to omit a few items of statistics that cannot be given with absolute accuracy.

In examining the statistics presented herewith it should be remembered that in Detroit, as in nearly all cities of the United States, 12 grades are recognized as constituting the public school course of instruction. Each of these grades represents an average of one year's work. We divide each grade into two classes, designating the least advanced class by the letter B, and the class engaged in the last half of any year's work by the letter A. Thus a pupil in the seventh grade, A class, is supposed to be engaged in the last half of the seventh year's work.

The whole course is divided into three departments, viz., the primary department, including the work of the first, second, third, and fourth years; the grammar school department, including the work of the fifth, sixth, seventh and eighth years, and the High School department, which covers the ninth, tenth, eleventh and twelfth years' work.

All averages, as cost of education, number of pupils to the teacher, etc., are calculated upon the average membership of the schools.

The statistics given above, exhibit careful and prudent financial management on the part of the Board of Education. The average cost of education in all the departments, for superintendence and instruction, is \$13 for the year ending August, 1877, and at the rate of \$12 47 per year for the four months of the current year (1877-8). This showing will be found to compare very favorably, even when placed beside that of the interior towns of the State, where the cost of living, and consequently the expense of maintaining a corps of teachers, is decidedly less. If comparison be made with cities of equal size, I believe none will be found in which the cost of education is a lighter burden upon the people.

#### EXAMINATIONS.

Examinations for promotions are now made whenever classes or individuals are ready to make an advance in the course of study. There need be no waiting on the part of the capable and industrious pupils for those who are idle or slow. Classes able to finish the work of 20 weeks in 12 or 16 are not obliged to be held back until the semi-annual examination day arrives. Any pupil may have

promotion as soon as he has fairly earned it ; and the knowledge of this fact has borne its fruits in the renewed zeal and enthusiasm of both pupils and teachers. Principals have the responsibility of deciding the results of all examinations except those for promotion from the fourth, sixth and eighth grades. All pupils passing from any one of the three grades excepted above, are examined under the immediate direction of the superintendent. The per cents required are as follows : For promotion from the first grade, 90 ; from the second grade, 85 ; from the third and fourth grades, 80, and from the remaining grades, 75 per cent. Questions for all primary and grammar school examinations are issued from the office of the superintendent.

#### NIGHT SCHOOLS.

Some sufficient and distinct provision should be made for carrying on the night schools, which have during this winter ('77-8) been interrupted for the reason that there was no fund available for supporting them. These schools have in the past two years served a most useful purpose by complementing the work of the day schools, and offering some opportunity for improvement to those who are necessarily employed during the hours of the day. The night schools hold a high place in public estimation and favor, and the disappointment expressed at their discontinuance has been deep and general.

#### BOOKS FOR THE POOR.

The attention of the Board has been called already to the defects in the present plan of furnishing books for poor children. This is a subject worthy of early and careful consideration.

#### SCHOOL ACCOMMODATIONS.

I desire to urge most earnestly upon the attention of the Board the immediate need of a large addition to the present school accommodations. The city is increasing in population, and now, more than ever before, all classes of citizens are seeking for their children the advantages of the public schools. The increase in the average membership of the schools is largely in excess of the increase in the number reported in the school census. For instance, in 1877, the school census showed an increase of 567, against 866

added to the average membership. Table IX indicates that the city has accommodations for 12,549 pupils, but in this number are reported 715 seats that cannot at present be made available, viz :

In the disused Trowbridge Street School.....	243
In the disused Abbott Street School.....	111
In the disused Third Ward School.....	135
In rooms not yet opened in thinly-settled districts as follows:	
In the Campbell School.....	114
In the Pitcher School.....	112
<b>Making a total of.....</b>	<b>715</b>

It is impossible to make these accommodations useful at present, though it is probable that they will soon come into use. The three small disused schools are in the vicinity of larger buildings that are not yet overcrowded. They cannot now be filled except at the expense of empty seats in the adjoining schools.

The Campbell and Pitcher Schools are supplied from districts as large as it is practicable to make them, and their unopened rooms cannot now be profitably occupied. The account of seats at present available stands thus :

Whole capacity of the schools.....	12,549
Deduct as above.....	715
<b>Whole number of available seats.....</b>	<b>11,834</b>

Now, it is well known that school-houses belonging to any system of graded schools can very rarely be filled to their utmost capacity. The rooms allotted to one grade of pupils will overflow, while there are, here and there, vacant seats scattered through rooms occupied by higher or lower grades. There is always a loss on this account, which is usually estimated at about 10 per cent. of the whole number of available seats. It will be seen that this loss has already been reduced in our schools to a minimum, and that economy in this regard can hardly go further. But we are still pressed for school accommodations in several portions of the city. At the close of December, 1877, 77 pupils were waiting for seats, and at the present moment (January 14, 1878) this number has increased to nearly 150. An increase in next year's attendance at

all comparable to that of last year will bring the Board of Education face to face with a state of affairs most unfortunate and deplorable, unless vigorous action is taken at the earliest possible moment.

The part of the city lying along the river and as far north as Adams avenue is tolerably well supplied, if we except the portion east of the Detroit and Milwaukee Railway. In case of necessity, the reopening of the three small disused schools, all of which are located south of Adams avenue, would afford the needed relief, except for the southern part of the Tenth Ward, mentioned above, and this region would be provided for in case new accommodations in the Thirteenth Ward should relieve the Duffield School of pupils residing in that Ward.

The centers of greatest pressure may be described as follows :

1. The district lying north of Catherine street and east of the Detroit and Milwaukee Railway.
2. Vicinity of the Bishop School.
3. The district lying north of Adams avenue, between Woodward avenue and Eighth street.

A building with four or five finished rooms would probably supply the immediate wants of the Thirteenth Ward. It would also relieve the Duffield School, and indirectly, the lower portion of the Tenth Ward. I suggest, as a relief to the Bishop and contiguous districts, the erection of an inexpensive two-story building with one room on each floor, upon the north front of the lot now occupied by the Bishop School. I am aware of an objection often made to the erection of large buildings; an objection that would be freely urged to building what would in effect be an addition to one of our largest schools; but, nevertheless, observation and experience have convinced me that concentration of school accommodations, so far as it can be effected without requiring pupils to walk unreasonable distances to and from school, is the true policy of the Board. This plan commends itself on the score of economy in building, and because the larger schools, in view of the better supervision that can be afforded for them, are, and always will be, better and more efficient than the smaller ones. The mass of the people fully understand this, and are constantly asking permits to send their children past the doors of small schools to more distant, but larger ones.

A building of eight rooms on the Myrtle street lots would probably answer all wants of the second district mentioned above, even if not more than four rooms should be finished at present. This would relieve the Jefferson and the Franklin, and indirectly the Cass School.

The present needs of this district could also be met by an addition to the north end of the Cass School, or by the erection of a small building, as suggested in the case of the Bishop School, on the rear of the lot now occupied by the Jefferson School. I am of the opinion that an addition to the Cass School is to be preferred to either of the other plans suggested. But whatever method may be taken to meet the wants of the school population of Detroit, I desire to place these wants conspicuously before the incoming Board and to urge early and comprehensive action with all the emphasis I can command. The process of re-districting and of temporary make-shifts for the accommodation of waiting and anxious pupils has gone to its utmost length. The pressure, for a long time, made only by pupils just entering upon school life, has crept by degrees up through the primary and into the grammar grades, until now it is felt along the whole line to the High School. Something decisive must now be done, or we must expect to see throngs of waiting applicants turned away from the doors of our schools and the growing enthusiasm of the people in their behalf dampened and discouraged. The office of the Superintendent is naturally the place to which parents of applicants unable to gain admission, come with their grievances. It is a difficult task to convince men whose taxes build and maintain the schools that there is any justice in excluding their children. Month by month the complaints grow louder and deeper. I often wonder at the degree of patience manifested, but there is a limit even to the forbearance of citizens of Detroit, and how long they will willingly sustain an educational system from which so many children justly entitled to its benefits are excluded, I will not attempt to predict.

#### THE HIGH SCHOOL.

This department of the public schools is doing its allotted work thoroughly and well. Its advantages are now sought by all classes in the city. There are abundant evidences that it stands high in



the estimation of the people, and that its claim upon public confidence is more fully acknowledged than ever before. The officers of the University, who admit its graduates without examination, after careful inquiry into its workings, fully indorse its management and the training which it affords. Its pupils brought, by the examination for teachers' certificates, into competition with graduates of other similar schools, with the alumni of colleges and with teachers of long experience, do themselves and the High School credit by carrying off their full share of the honors and rewards, and entering upon duty as teachers, give to the schools many of their most zealous and intelligent instructors.

Taking into account the excellent order and willing obedience that characterizes the school, and its disadvantages in being located in the heart of the city, where sufficient and convenient grounds for exercise and recreation are not to be obtained, it is high commendation of its management and of the excellent spirit pervading the students in attendance, when I say that during the last school year not a single case of discipline was sufficiently serious to be reported to the Superintendent for adjustment.

I submit herewith statistical tables prepared by the principal, together with extracts from his annual report, and a catalogue of the class graduating in 1877. I hereby indorse his earnest request for needed additions to the High School library.

The following statistical tables will show, in a brief yet comprehensive manner, the main facts as to the present and comparative condition of the school. The corps of instructors, for the time reported upon, consisted of fifteen teachers and five assistant teachers.

### ENROLLMENT AND CLASSIFICATION.

CLASSES.	Boys.	Girls.	Totals.
Post Graduates.....	7	18	25
Twelfth Grade, or Graduating Class.....	33	76	109
Eleventh Grade.....	45	100	145
Tenth Grade.....	66	120	186
Ninth Grade.....	123	197	319
Grand Totals .....	274	511	785

### COMPARATIVE ENROLLMENT AND ATTENDANCE.

Years.	ENROLLMENT.			Average No. belonging.	Average daily attendance.	Per cent. of attendance on average No. belonging.	GRADUATES.		
	Boys.	Girls.	Totals.				Boys.	Girls.	Totals.
1871	100	181	281	178	178	96	9	21	30
1872	117	212	329	204	196	95	13	15	28
1873	143	254	397	242	232	96	11	40	51
1874	166	308	494	307	296	96	18	35	53
1875	190	368	568	368	344	95	24	54	78
1876	295	568	863	483	463	96	15	53	68
1877	274	511	785	604	577	96	21	67	88
1878	260	440	704	633	623	97	.....	.....	.....

"In any comparative use of the foregoing statistics, it should be borne in mind—

(a). That all reports of the High School previous to the last, which is dated December 30, 1876, were for a period of one civil year. The date of this report invariably marked the end of the year for which the report was made.

(b). That this report and the last, save in items plainly stating times, are each for a scholastic year, which begins September 1st.

For these and other reasons, a few of the items in the preceding tables need special explanation to set them in their proper light :

1st. The extraordinary enrollment for 1876 (table second) gives the results of examination and of entry from *two* grades of the Union Schools instead of from *one*, as in other years. The completion of the Central High School building during that year made it for the first time possible to receive from the Union Schools *all pupils* properly belonging to the High School grades.

2d. The last item of table second is obviously incomplete from the fact that four months only of the current school year have now expired. Yet the particulars therein set forth, though in sharp contrast with the unusual enrollment of 1876, already accounted for, and that of 1877 thereby affected, show the High School to be in a most prosperous and vigorous condition."

"Under a careful holding of each pupil to a better and better work and more solid results, the membership of the school is more steadily and healthfully increasing, and the pressure to enter the school by or for applicants from all classes of citizens was never greater nor more conspicuous than it is at this time. Confirming this report, and contributing thereto, come the official and private commendation of the University faculty and the testimony of many visitors during the past year."

"It is fitting and grateful to report the wise and liberal provisions made during the past two years by the Board of Education to render effective the teaching in Natural Philosophy and Chemistry by the aid of the best modern appliances, and now that the Philosophical and Chemical Departments are well equipped for efficient service, I would again respectfully call attention to the meagre condition of the High School Library. It seems to me that the educative force

and the practical value of much reading of good literature all along through school life as a *foundation* for present and future intellectual work of every kind, is being lost sight of and crowded out of curriculum work. I earnestly, yet respectfully, ask renewed attention to my recommendation in my last report under this head. If the funds received from the tuition in the High School of non-resident pupils were appropriated to this purpose, the accomplishment of a great good would be assured, after a small appropriation now greatly needed."

"For myself and those whom I officially represent, I here return grateful thanks to the officers and members of the Board for helpful words, visits, and an obviously hearty sympathy with us in our work, to the rapidly increasing number of our patrons who, at home and by visits, are manifestly co-operating with us, and to my associate teachers for patient and untiring efforts and rare fidelity to every school duty."

## GRADUATING CLASS OF 1877.

---

ALLEN, VIRGINIA M.	KNEELAND, IDA J.
ARMSTRONG, ANNIE A.	KETCHAM, CHARLES H.
ARMSTRONG, KATIE H.	LANGSTON, EMMA J.
ASHLEY, STELLA,	LANGSTON, LIZZIE,
BAKER, CHAS. H.	LANE, ANNIE B,
BOOTH, MINNIE C.	LESHER, LIZZIE K.
BUTTERFIELD, CHAS. R.	LISTER, SARAH S.
CARTER, REBECCA,	LOVE, MARY T.
CHAMBERS, ISABELLA,	LANGLEY, FRANK C.
CHRISTIE, THOMAS K.	LEDERLE, GEO. A.
CLARK, MARY E.	LIGGETT, W. L.
CLAPP, WILLARD M.	LUMSDEN, ARTHUR E.
CLOSE, MAMIE L.	MARQUIS, ANNIE A.
COLVILLE, MARGARET M.	MARSH, CORA A.
COOPER, JAMES B.	MCKENZIE, NETTIE K.
CORKINS, ANNIE S.	MCKENZIE, DAVID,
CORKINS, HARRIET A.	MILLER, CLARA,
CUMMINGS, NELLIE M.	MITCHELL, ANNIE A.
DAVIS, EMILY C.	MORRISON, ALICE M.
DAVIS, ELIZABETH J.	PARKS, MARGARET T.
DEBBAUDT, EMMA,	PELHAM, ROBERT A.
DONALDSON, MARY C.	REGAN, LIZZIE,
DWYER, JAMES W.	RIELY, MINNIE W.
ECCARD, HELENA,	RICE, MAGGIE L.
FRAZER, ALLAN H.	ROBINSON, ANNIE E.
FLLTCHER, ALLAN M.	ROBINSON, CLARA,
GALLAGHER, FRANK G.	ROBINSON, MARY H.
GILBERT, DELLA M.	ROBDINS, JESSE W.
GORDON, KITTIE A.	ROBINSON, FRED.
GREGORY, WINNIE E.	SALES, IDA N.
GUENTHER, FRED.	SHIPMAN, ABNIE E.
HALLORAN, LIZZIE A.	SPILLANE, PERMELIA,
HAMMOND, ANNIE J.	STARKEY, JENNIE O.
HARDING, MARY L.	STUART, MARY E.
HEALY, MARGARET F.	SWIFT, ANNIE K.
HOLMES, MARY.	TAYLOR, IDA M.
HOWARD, MARY G.	TRACY, MARY E.
HUNTER, MAGGIE A.	THOMPSON, SUSIE K.
HUNTER, ROSE C.	WALKER, LILLIE M.
HURLEY, JOHANNAH,	WATLINGTON, ELLA E.
HASTINGS, CHARLES D.	WAY, MINNIE L.
HUNT, WETMORE,	WEISS, ANNIE,
JOY, MARY E.	WILLIAMS, ETTA,
JOHNSTON, WM. RICHARD,	WILDS, ADA E.

In concluding this report, I desire to express my high respect for the ability and fidelity of the corps of teachers who have in immediate charge the public schools of Detroit, and also to offer sincere thanks to the officers and members of the Board of Education for the uniform courtesy and kindness which I have always received at their hands.

Very respectfully,

J. M. B. SILL,  
*Superintendent of Schools.*









**TWENTY-SIXTH ANNUAL REPORT**

**OF THE**

**Board of Water Commissioners**

**TO THE**

**COMMON COUNCIL OF THE CITY OF DETROIT,**

**TOGETHER WITH THE**

**REPORTS OF THE OFFICERS OF THE BOARD**

**FOR THE YEAR 1877.**



**DETROIT:**  
**J. F. HADGER, STEAM BOOK AND JOB PRINTER,**  
**1878.**

CITY CLERK'S OFFICE.  
DETROIT, FEBRUARY 26, 1878. }

At a session of the Common Council of this date, it was

RESOLVED, That the report of the Board of Water Commissioners be printed by the Board, and that, when printed, it be referred to the Committee on Ways and Means of the Common Council.

THOMAS D. HAWLEY,  
President of the Council.

Attest:

LOUIS DILLMAN,  
City Clerk.

# MEMBERS OF BOARD OF WATER COMMISSIONERS.

JANUARY 1, 1878.

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JACOB S. FARRAND.	CHAUNCY HURLBUT.
JOHN OWEN.	SAMUEL F. HODGE.
MICHAEL MARTZ.	

---

## STANDING COMMITTEES.

WAYS AND MEANS, . . . .	COMMISSIONERS HURLBUT, OWEN.
EXTENSION AND REPAIRS, . .	COMMISSIONERS FARRAND, MARTZ.
SUPPLY OF WATER, . . . .	COMMISSIONERS HODGE, MARTZ.
CLAIMS, . . . . .	COMMISSIONERS IN ROTATION.

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## OFFICERS.

CHAUNCY HURLBUT .....	PRESIDENT
HENRY STARKEY .....	SECRETARY
D. FARRAND HENRY .....	CHIEF ENGINEER
HENRY BRIDGE.....	SUPERINTENDENT OF EXTENSION AND REPAIRS
JOHN E. EDWARDS.....	ENGINEER
GEORGE KUNZE.....	RECEIVING CLERK
JAMES FENTON,	} ..... COLLECTORS
L. N. CASE,	
THOMAS R. PUTNAM,	
FRED. L. SEITZ,	
HENRY R. CHOPE .....	RESERVOIR KEEPER



## ANNUAL REPORT OF THE COMMISSIONERS.

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OFFICE OF BOARD OF WATER COMMISSIONERS,  
DETROIT, January 1, 1878. }

*To the Honorable Common Council of the City of Detroit :*

GENTLEMEN:—In accordance with the requirements of law, the Board of Water Commissioners submit a statement of transactions for the year ending December 31, 1877.

The reports of the several officers of the Board, herewith submitted, show the operations of the past year and the present condition of each department.

One hundred thousand dollars of Water Works Bonds mature in August next. There has been no increase by the Board of the bonded debt of the City since our last report.

The Act of 1873 authorized the issue of one million dollars of bonds, "for the purpose of extending and improving the Water Works of the City of Detroit." The Board has endeavored to limit its bonded debt to the lowest possible point ; and while the expenditures for the new works have amounted to \$767,626.48, but \$600,000 of the loan so authorized has been negotiated. Warned by the mistakes of other cities which have impaired their credit in loading themselves with a large debt, and acting in accordance with the well-known wishes of our people to avoid indebtedness, our Board has refrained from the issue of bonds beyond the most extreme necessities of our wants.

The Engine House, Boiler House, Stand Pipe, and one Coal House for the new works have been completed in a satisfactory manner, and are admirably adapted to the purposes for which they are designed.

The engine for the new works has been completed, but was not brought into use at as early a day as was anticipated. We

are gratified to know that our expectations are fully met as to the duty required of it.

The grading and beautifying the grounds of the new works are now in progress and will be proceeded with as fast as circumstances will permit.

The importance of a full supply of pure water is more and more receiving profound attention; the fouling of streams by sewage, the refuse of manufactories, and by other causes, commands the most earnest thought of those charged with the management of water works. In this regard, our citizens can now, more than ever, congratulate themselves upon the inexhaustible source of their supply, and its superlative quality as to purity. Large expenditures in other cities fail to produce like satisfactory results. Every effort is made by the Board to equalize the rates assessed for water, so that there may be no discrimination against any class of consumers. Meters have in a few instances been asked for by water takers. To promote their use the meter rates have been largely reduced—the compensation to the city being in the protection from waste. A new demand for water has grown up the past year—using it as a motor instead of steam for elevators.

The quantity of water which has been furnished is greater than in any former year, being a total of 4,213,239,790 gallons.

The supply of water for ordinary uses and for fire purposes has been greatly increased the last year by the laying of pipes of larger capacity—notably a ten-inch pipe in place of the four-inch in Woodward avenue from the Grand Circus to the Holden road, a distance of two miles. Notwithstanding this increase in the supply, this work is yet incomplete, and must be continued, dependent upon the growth of the city.

C. HURLBUT.  
MICHAEL MARTZ.  
J. S. FARRAND.  
J. OWEN.  
SAMUEL F. HODGE.

## ANNUAL REPORT OF THE SECRETARY.

OFFICE OF WATER COMMISSIONERS,  
DETROIT, January 1, 1878. }

*To the Board of Water Commissioners :*

I have the honor to submit the Secretary's report for the year ending December 31st.

The following is a detailed statement of the receipts and expenditures :

### RECEIPTS.

#### WATER RATES ACCOUNT :

Rates paid .....\$210,288 12

#### PER CENTAGE ACCOUNT :

Paid by delinquents ..... \$5,338 49

Penalties for shutting off..... 605 00

5,938 49

#### INTEREST ACCOUNT:

On Deposits ..... \$3,127 09

Sinking fund..... 312 01

3,439 10

#### REPAIRING LEAKS ACCOUNT :

For labor ..... 75

#### PUMPING WATER ACCOUNT:

For ashes..... 40 60

For old barrels ..... 1 60

42 20

#### SERVICE COCKS ACCOUNT :

For stops and drilling ..... 2,567 35

#### PLUMBERS' LICENSE ACCOUNT :

Fees for licenses..... 240 00

#### OFFICE ACCOUNT :

For old furniture ..... 9 00

#### IRON PIPE ACCOUNT :

For pipe outside city limits..... \$1,413 50

Connections with premises ..... 808 71

Scraps sold..... 48 75

Materials sold Fire Department..... 253 12

2,524 08



**WOOD PIPE ACCOUNT :**

For laying logs.....	101 03
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**HYDRANT AND METER ACCOUNT :**

For meters.....	100 80
-----------------	--------

**PUMPING WORKS ACCOUNT :**

For old materials sold.....	13 69
-----------------------------	-------

**NEW PUMPING WORKS ACCOUNT :**

For labor and materials .....	147 22
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**CITY OF DETROIT :**

General Tax Levy.....	38,803 50
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Total receipts .....	<u>\$284,215 43</u>
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**EXPENDITURES.****IRON PIPE ACCOUNT :**

For Superintendent .....	\$ 933 38	
Hauling pipe.....	384 45	
New pipes .....	31,212 32	
Lead .....	2,091 63	
Special castings .....	3,128 35	
Labor .....	12,853 42	
Repairing .....	2,530 80	
Miscellaneous.....	1,100 10	
		<u>54,232 45</u>

**WOOD PIPE ACCOUNT :**

Logs.....	\$ 255 80	
Labor .....	995 93	
Miscellaneous .....	80 07	
		<u>1,331 80</u>

**ENGINEERING ACCOUNT :**

Salaries .....	\$2,790 58	
Stationery.....	12 25	
Miscellaneous.....	17 19	
		<u>2,820 02</u>

**STOP COCKS ACCOUNT :**

Gates .....	\$2,353 62	
Boxes .....	265 90	
Repairs .....	78 66	
		<u>2,696 18</u>

**PUMPING WORKS ACCOUNT :**

Repairs of engines and boilers .....	\$1,497 94	
Buildings .....	699 01	
Labor .....	297 18	
Dock .....	366 97	
Diver.....	500 00	
Miscellaneous.....	185 58	
		<u>3,496 68</u>

**HYDRANTS AND METERS ACCOUNT :**

Meters .....	\$ 302 10	
Repairs .....	4 15	
Freight .....	23 91	
		<u>330 16</u>

**PUMPING WATER ACCOUNT :**

Coal, including handling.....	\$12,358 45	
Wood.....	70 00	
Engineer and firemen.....	9,051 70	
Oil and tallow .....	445 85	
Gas.....	441 53	
Miscellaneous .....	1,021 67	
		<u>23,389 20</u>

**OFFICE ACCOUNT :**

Secretary, collectors, attorney and clerks....	\$10,036 25	
Advertising and printing.....	608 25	
Books and stationery .....	186 73	
Furniture .....	1,144 66	
Rent .....	1,575 00	
Janitor .....	273 01	
Gas .....	63 23	
Fuel .....	90 00	
Miscellaneous .....	203 36	
		<u>\$14,180 49</u>

**REPAIRING LEAKS ACCOUNT :**

Superintendent .....	\$ 266 68	
Labor .....	4,337 63	
Tools .....	63 15	
Miscellaneous .....	148 11	
		<u>4,815 57</u>

**RESERVOIR ACCOUNT :**

Superintendent .....	99 98	
Labor .....	372 12	
Miscellaneous.....	114 61	
		<u>586 71</u>

**HORSE AND WAGON ACCOUNT :**

Rent.....	\$ 120 00	
Feed .....	356 53	
Teamsters.....	588 00	
Vehicles .....	90 14	
Harness.....	10 78	
Shoeing .....	33 25	
Miscellaneous .....	49 82	
		<u>1,248 52</u>

**SERVICE COOKS ACCOUNT:**

Corporation stops .....	\$ 762 35	
Labor.....	1 50	763 85

**WATER RATES ACCOUNT:**

Rebate .....		3 50
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**VACANT LOT TAX:**

Amount refunded .....	\$ 754 63	
Copying books.....	26 00	780 63

**PER CENTAGE ACCOUNT:**

Labor .....		283 00
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**INTEREST ACCOUNT:**

Coupons .....		105 837 50
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**NEW PUMPING WORKS:**

Inlet pipe.....	\$2,960 08	
Dock, basin and canal.....	1,163 92	
Conduit and conduit wells.....	3,160 98	
Engine, boiler and coal houses.....	41,351 87	
Stand pipe and tower .....	22,746 43	
Pump wells .....	429 65	
Engine .....	2,341 51	
Boilers.....	5,063 80	
Engineer's house .....	3,009 99	
Sewer.....	33 24	
Grounds .....	11,354 50	
Inspection.....	708 32	
Miscellaneous.....	528 53	94,857 82
Total expenditures.....		<u>\$311,704 08</u>

**SUMMARY.****RECEIPTS.**

From City of Detroit .....	\$ 38,803 50
Water rates.....	210,288 12
Iron Pipe account .....	2,524 08
Wood Pipe account .....	101 03
Hydrants and Meters account .....	100 90
Pumping Works account.....	13 69
Interest .....	3,439 10
Pumping Water account .....	42 20

Office account .....	9 00	
Repairing Leaks account.....	75	
Service Cocks account .....	2,567 35	
Per Centage account.....	5,938 49	
Plumbers' licenses.....	240 00	
New Pumping Works account.....	147 22	
		<u>\$264,215 43</u>
Cash balance January 1, 1877.....		\$93,921 25
Sinking fund.....		4,333 71
		<u>\$367,470 39</u>

## EXPENDITURES.

FOR NEW WORKS..... \$94,857 82

*Construction.*

For Iron pipe .....	\$54,232 45	
Wood pipe .....	1,331 80	
Engineering .....	2,820 02	
Stop cocks.....	2,696 18	
Pumping works.....	3,496 68	
Hydrants and meters .....	330 16	
		<u>\$64,907 29</u>

*Operating Expenses.*

For Pumping water .....	\$23,399 20	
Office.....	14,180 49	
Repairing leaks.....	4,815 57	
Reservoir .....	536 71	
Horse and wagon.....	1,218 52	
Service cocks .....	763 85	
Water rates .....	3 50	
Vacant lot tax.....	780 63	
Per centage .....	283 00	
		<u>46,051 47</u>
Interest on bonded debt.....		\$105,887 50
		<u>\$311,704 08</u>
Cash balance January 1, 1878 .....		47,554 62
Sinking fund, " .....		8,211 69
		<u>\$367,470 39</u>

The total expenditures on account of the new works to this date are \$767,626.48.

The bonded indebtedness of the Board is as follows :

Bonds issued August 1st, 1853, payable August 1st, 1873....							\$	1,000	00
"	"	"	1853,	"	"	1878....		100,000	00
"	"	"	1853,	"	"	1888....		100,000	00
"	"	"	1855,	"	"	1880....		50,000	00
"	"	"	1855,	"	"	1885....		100,000	00
"	"	"	1855,	"	"	1890....		100,000	00
"	"	"	1858,	"	"	1893....		50,000	00
"	"	"	1859,	"	"	1893....		50,000	00
"	"	"	1860,	"	"	1893....		50,000	00
"	"	"	1867,	"	"	1887....		50,000	00
"	"	"	1868,	"	"	1888....		50,000	00
"	"	"	1870,	"	"	1900....		100,000	00
"	"	"	1872,	"	"	1902....		50,000	00
"	"	"	1873,	"	"	1903....		50,000	00
"	"	February 1st, 1874,		"	February 1st, 1904....			50,000	00
"	"	August 1st, 1874,		"	August 1st, 1904....			250,000	00
"	"	June 1st, 1875,		"	June 1st, 1905....			150,000	00
"	"	" 1876,		"	" 1906....			200,000	00
								\$1,551,000	00

Of the \$1,000,000 loan authorized by the Legislature of 1873 for the building of the new works, but \$600,000 of bonds have been issued—\$951,000 of the debt being for the present works. The annual rate of interest is seven per cent., except as to the \$200,000 issued last, which bears six per cent. The interest is payable semi-annually.

It will be noticed that \$100,000 of the debt will mature in August, 1878.

#### WATER RATES.

The annual assessment of rates to be charged for water for the year ending July 1st, 1878, was duly made. The total assessment was \$205,603—a decrease from that of the previous year of \$3,288.50. The whole number of families assessed is 20,345; the number in the city not assessed, 307. There is an increase of the amount of rates collected of \$4,663.38.

The following is an exhibit of the assessments and collections of water rates for the several years—the former commencing in July, the latter in January.

Year.	Am't.	Collection.	Year.	Am't.	Collection.	Year.	Amount.	Collection.
1853	\$28,617	\$25,482 48	1861	\$60,507	\$54,760 01	1869	\$115,252 00	\$113,068 29
1854	31,340	27,290 58	1862	64,128	57,665 82	1870	130,301 00	127,143 61
1855	36,184	34,192 80	1863	77,003	68,089 98	1871	141,003 00	138,325 88
1856	40,640	26,081 94	1864	80,124	83,155 42	1872	151,928 00	155,536 98
1857	44,344	37,666 25	1865	77,212	84,041 21	1873	168,247 55	167,022 00
1858	53,339	40,942 20	1866	88,641	88,044 80	1874	182,308 75	188,323 27
1859	55,790	48,779 04	1867	96,678	98,428 18	1875	196,110 75	195,908 64
1860	56,869	49,434 90	1868	105,752	106,399 14	1876	208,876 50	206,624 74
						1877	205,603 00	210,288 12

Tabular statements of assessments are herewith presented.\*

#### VACANT LOT TAX.

The whole amount received under the "Vacant Tax Law," declared invalid by the Supreme Court in June, 1876, was \$8,630.86. The Board having directed the refunding of such tax, there was paid back in 1876, \$3,638.51; during the past year, the amount refunded was \$764.63.

In June last it became necessary to remove the office of the Board. A building, erected with a view to such occupancy, was leased near the City Hall, which affords superior accommodations to the public, better facilities for the transaction of business, and convenience and safety for the care and preservation of books and papers. Some expense was necessarily incurred for new counters and furniture.

All of which is respectfully submitted.

HENRY STARKEY, *Secretary.*

\*See Appendix.

## REPORT OF THE CHIEF ENGINEER.

OFFICE OF CHIEF ENGINEER,  
DETROIT, January 1, 1878. }

*To the Hon. Board of Water Commissioners :*

GENTLEMEN—In accordance with your regulations, I have the honor to submit the following report on the general condition of the works, and the progress made during the past year :

The amount of pipe and logs laid in connection with the distribution the past season—as shown in the report of the Superintendent is as follows: iron pipe,  $10\frac{1}{4}$  miles; wooden logs, 3 miles. There have been  $\frac{3}{4}$  of a mile of iron pipe and 6 miles of logs discontinued, thus making the total pipeage of the city  $193\frac{3}{4}$  miles, of which 104 miles is iron pipes, and  $89\frac{3}{4}$  miles wooden logs, which in detail, is as follows :

Iron, 45 inch .....	50 feet.
“ 42 “ .....	16,244 “
“ 30 “ .....	4,313 “
“ 24 “ .....	34,564 “
“ 20 “ .....	370 “
“ 16 “ .....	1,510 “
“ 12 “ .....	2,050 “
“ 10 “ .....	46,747 “
“ 8 “ .....	55,965 “
“ 6 “ .....	148,010 “
“ 4 “ .....	221,239 “
“ 3 “ .....	17,671 “
“ 2 “ .....	308 “
Wood, 4 “ .....	13,778 “
“ 3 “ .....	153,145 “
“ 2½ “ .....	307,020 “
<b>Total.....</b>	<b>1,022,984 feet.</b>

The main lines of pipe laid this year on Woodward avenue, Grand River avenue, Crawford street, Beaubien street, Hastings street, and others, have added very much to the protection of the city against fire, as well as giving a better head on the higher ground.

I would respectfully recommend the following lines to be laid the coming season, for the reasons set forth :

1st. A six inch pipe in Third avenue from Bagg street to Alexandrine avenue.

The distance between the six inch pipes in Second and Crawford streets is about 1,500 feet. The above line will divide the distance and give protection to a thickly settled portion of the city.

2d. A six inch pipe in Lincoln avenue from Grand River to Brigham streets. This street is about 1,000 feet from Crawford street and is being well built up.

3d. An eight inch pipe in Trumbull avenue, from Baker to Walnut streets. This will complete the connection of the two 24 inch mains in that section.

4th. An eight inch pipe in Grand River avenue, from Trumbull avenue to Fifteenth street. This will give protection to all that portion of the city, and will also serve to feed the long lines of logs in the North and South streets, which are now drawn upon beyond their capacity, especially since the connection was made with the Pin Factory.

5th. A six inch pipe in Russell street, from Gratiot to Congress streets. The centre of the district bounded by Gratiot, Orleans, Clinton, and Hastings streets is over 1,000 feet from a six inch pipe, and is thickly built up with wooden houses.

6th. A four inch pipe in Pitcher street from the alley east of Third to Crawford streets.

7th. A four inch pipe in Alexandrine avenue, from Cass avenue to Third streets.

8th. A six inch pipe in Putnam avenue from Woodward to Cass avenue. These latter will connect the pipes in Cass avenue, Second and Crawford streets with the 10 inch pipes in Woodward avenue and Beaubien street, and equalize the demand,

The above lines being added to the present pipeage will, I think, give for the present an equal protection from fire to the whole city; and it seems to me that now, as rapidly as the surplus funds will allow, the wooden logs should be replaced with iron pipe. If any four inch pipes are used, which is contrary to the present



practice in large cities, they should be laid in east and west streets ; the north and south streets crossing the mains should have certainly nothing less than six inch pipes.

The total number of service connections with pipes and logs is shown in the following table :

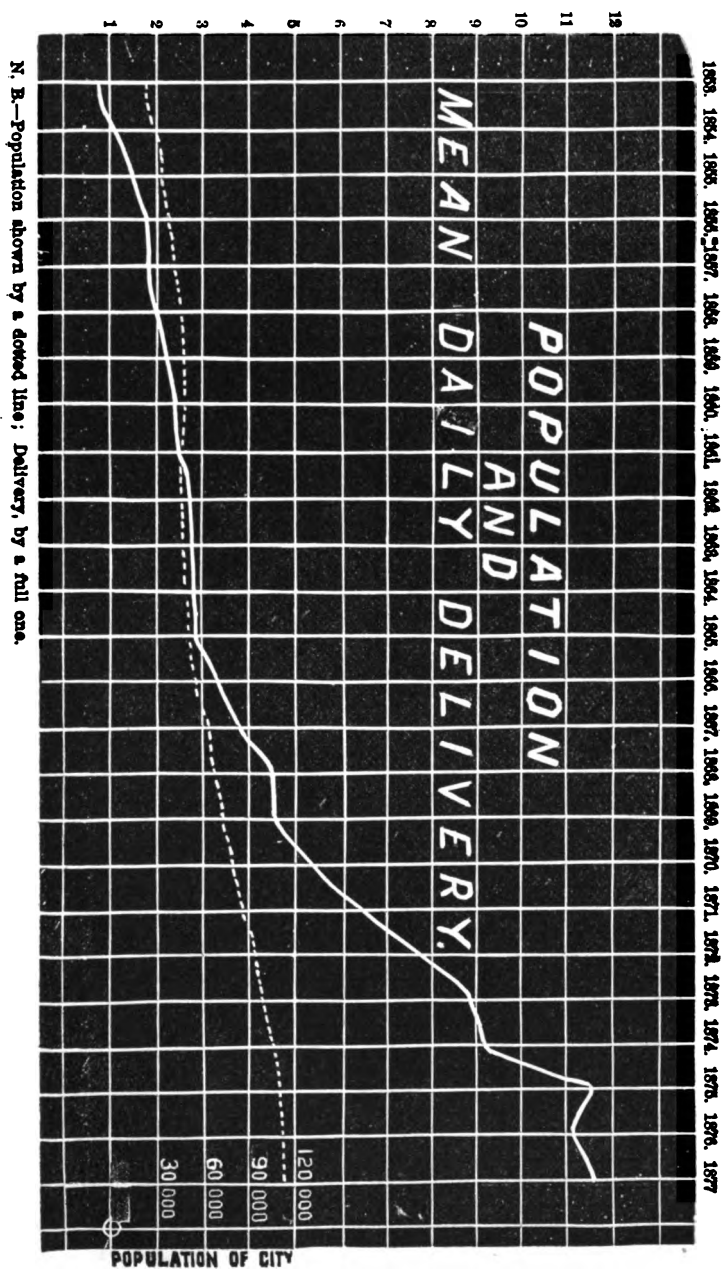
TABLE I.

SERVICE CONNECTIONS.	Previously reported.	1877.		Total.
		Added.	Discontinued.	
1-inch Connections with Iron pipes.....	1,468	185	.....	1,648
½ " " " " .....	8,072	701	.....	8,773
Size unknown.....	856	.....	.....	856
<b>Total .....</b>	<b>9,891</b>	<b>886</b>	<b>.....</b>	<b>10,777</b>
<b>Taps with wooden logs.....</b>	<b>8,378</b>	<b>374</b>	<b>775</b>	<b>7,977</b>

The report of the Engineer shows that there was more water pumped the past year than any previous one, being 147,905,320 gallons more than the year before, though the winter was not a severe one, nor the summer dry. The daily supply to each inhabitant was nearly 105 gallons.

The increase in the demand per inhabitant is graphically represented in the accompanying sketch, where the full line represents the mean daily supply for each year and the dotted line the population for the same time. It will be noticed that until 1866, these lines are nearly parallel, that is the increase in the demand was about the same as the increase in the population, but since that time the divergence has been very marked. The mean daily delivery the past year of 105 gallons to an inhabitant, shows that this increase is scarcely checked, as the average rate for the past ten years would make it only about 110 gallons. There seems to be only two ways of lessening this increase, which is mainly due to waste, and those are the general introduction of meters, or the Liverpool system of a thorough and constant inspection. The use of hydraulic elevators will no

MEAN DAILY DELIVERY IN MILLIONS OF GALLONS.



N. B.—Population shown by a dotted line; Delivery, by a full one.



doubt become quite common, and is a direct addition to the demand, so that if the waste is not checked there will soon be needed not only additional pumping power, but the distributing mains and pipes will be found too small, and they will have to be increased in number or size.

There is about 100,000,000 gallons of water used by the city for public and drinking fountains, of which at least one-half may be said to be wasted, as they run continuously night and day. .

There are now seven elevators worked by water power, two of which are small house elevators, and the balance have registers attached—several more are in contemplation.

There are also three small water motors running part of the time.

Nine meters are connected with the service, and I am gratified to state that their readings so far have shown that my assessments for breweries and steam engines are very nearly correct.

Table II. shows the increase in the whole number of families in the city to be only 1 per cent. with a decrease in the assessment of  $1\frac{1}{2}$  per cent.

The rainfall of the year was considerably above the average, and winter was not very cold, but the maximum amount pumped in one day was 14,173,200 gallons on the 16th of January. The mean daily amount pumped was 11,543,123 gallons, nearly 4 per cent. more than the previous year, being as before stated, nearly 105 gallons to each inhabitant.

**TABLE II.**  
Showing the Population, Daily Consumption and Cost of Delivery for the past Twenty-five Years.

Years.	Whole No. of Families.	Population.	Increase per cent.	No. of gallons of Water delivered daily.					Average number of gallons delivered daily.			Annual Cost of maintenance.			Annual Assessment.			Cost of delivering. Am't assessed for.	Rainfall, inches.
				Maximum.	Minimum.	Mean.	Increase per cent.	Max. No. of galls. deliv'd in 1 day to each family.	To each Family.	To each Inhabitant.	Increase per cent.	Amount.	Increase per cent.	Amount.	Increase per cent.				
1853	4,288	28,286	.....	.....	.....	881,594	.....	184	29.4	.....	\$13,856	.....	\$28,617	.....	\$44 00	\$94 29	39.87	48.66	
1854	5,738	29,226	3.4	.....	.....	1,090,866	24.0	228	36.2	19.7	-22.6	10,857	-22.6	31,840	11.3	27 48	94 66	48.18	
1855	6,326	32,146	10.0	.....	.....	1,487,143	44.3	282	46.3	32.1	288.4	40,666	288.4	36,194	10.8	74 91	94 62	48.78	
1856	6,713	34,102	6.1	.....	.....	1,910,710	21.8	333	55.5	19.8	-11.4	36,032	-11.4	40,640	12.8	82 06	94 66	48.16	
1857	8,082	41,057	20.4	.....	.....	1,909,857	0.4	306	46.3	-16.7	-12.9	40,713	-12.9	44,814	9.1	88 40	94 68	48.78	
1858	8,448	42,916	4.5	.....	.....	2,142,744	2.9	304	45.9	-0.9	46,989	14.3	63,899	20.4	64 67	74 28	80.66	48.17	
1859	8,767	44,536	9.8	.....	.....	2,142,744	8.8	316	48.1	4.8	60,385	7.4	66,790	6.2	64 48	65 27	83.65	48.06	
1860	8,788	46,619	2.4	.....	.....	2,383,580	11.2	344	53.2	8.5	69,064	9.3	66,969	0.6	63 31	65 48	88.04	48.08	
1861	9,011	46,046	0.8	.....	.....	2,492,409	2.9	355	56.5	2.1	69,165	7.4	60,507	6.3	66 10	67 60	88.40	48.08	
1862	9,091	46,728	1.5	.....	.....	2,727,700	11.2	328	56.8	11.0	68,229	-10.4	64,128	6.0	65 60	64 94	80.54	48.17	
1863	9,888	48,588	3.9	.....	.....	2,887,878	4.1	340	58.3	8.2	67,424	14.7	77,212	14.7	80 124	78 67	25.88	48.17	
1864	9,882	50,187	3.4	.....	.....	2,887,878	0.1	328	58.5	0.3	67,424	10.2	77,008	20.2	65 60	78 67	25.88	48.17	
1865	10,197	51,912	3.3	.....	.....	3,075,888	1.3	380	63.4	-2.1	68,861	2.1	77,212	8.0	66 21	78 67	25.88	48.17	
1866	10,014	51,234	5.9	.....	.....	3,277,573	14.0	480	84.4	55.4	-8.2	68,861	14.7	80,124	4.0	66 21	78 67	25.88	48.17
1867	11,513	61,224	11.2	.....	.....	3,905,576	16.9	546	88.6	7.6	76,720	7.6	86,641	8.8	64 29	69 91	31.77	48.17	
1868	12,700	67,234	10.9	.....	.....	4,307,070	16.3	626	96.9	6.2	82,426	7.0	106,732	9.4	60 56	68 68	38.06	48.06	
1869	13,786	74,007	8.9	.....	.....	4,511,869	1.2	581	83.8	6.3	88,272	1.0	118,262	9.0	60 56	69 99	38.06	48.06	
1870	14,717	79,757	7.8	.....	.....	5,042,784	13.3	655	87.4	6.2	88,494	0.3	131,003	13.6	44 75	69 69	38.06	48.06	
1871	15,739	86,087	8.7	.....	.....	5,112,782	23.3	685	94.2	13.7	88,408	11.9	141,008	8.2	40 61	61 30	42.74	48.06	
1872	16,785	86,448	6.2	.....	.....	5,881,306	20.6	720	102.5	18.2	106,102	18.6	151,928	7.8	38 18	64 61	28.74	48.06	
1873	17,388	108,216	4.8	.....	.....	6,601,782	12.3	778	124.8	8.1	106,388	-0.7	168,248	10.6	32 98	62 60	34.61	48.06	
1874	19,338	108,778	7.0	.....	.....	4,666,280	2.9	858	107.8	-8.1	104,707	-6.0	182,809	8.4	30 42	65 45	38.65	48.06	
1875	20,020	108,778	3.5	.....	.....	7,063,120	27.2	883	107.8	28.3	104,707	-4.3	182,809	6.4	24 90	64 88	38.65	48.06	
1876	20,448	110,182	2.2	.....	.....	11,074,499	57.7	883	107.8	-6.4	108,626	-1.4	206,876	7.5	25 49	61 88	40.44	48.06	
1877	20,692	110,203	1.0	.....	.....	11,074,499	3.9	886	104.8	2.8	107,139	.....	206,806	1.5	24 01	48 82	40.44	48.06	

Just before the engine at the new works was finished complaints began to come in from different parts of the city that there was a taste and smell of petroleum in the water. An examination of the inlet pipes at the old works showed an accumulation of gas tar around them, which had undoubtedly come from the Gas Works above the city.

This was predicted in 1873, and was one of the reasons for constructing new works above the city, but it came somewhat earlier than was then expected. As soon as possible the new engine was started and the pipes flushed, since which time there has been little or no complaint of the quality of the water furnished, and the Mutual Gas Co. promise to allow no more tar to flow into the river ; but they probably cannot otherwise, except at great expense, dispose of their washings. One curious thing about this impurity was, that at one house in a block the water would not be fit to use, while at those on each side there would be no trouble.

The new works are progressing very satisfactorily. The work on the stand-pipe tower was commenced early in the season and finished before cold weather set in. The iron work was let to Messrs. Younglove & Co., of Cleveland, O.; the wood work to Mr. I. Ingersoll, and the cut stone to Messrs. Cobb, Wallace & Law, of this city.

The contract for the engine and boiler house roofs was let to the Detroit Bridge and Iron Works, and they present a fine appearance.

A contract for a coal house was let to Mr D. Sullivan, and for an elevated railway to Messrs. Candler Bros., both of which were satisfactorily completed. The fencing of the lot and basin was let to Messrs. Candler Bros. who have finished their work.

A contract for grading was let to Messrs. D. Langford & Co., which was terminated about the 1st of October ; since which time such work has been done by day's labor.

Mr. Wm. Adair took the contract for setting out trees and ornamenting the grounds, which has been only partially completed.

The gate houses and house for the resident engineer were let to Messrs. Byram, Nuppenau & Clarke, but their contract is not yet finished.

The new engine was started on the 5th of November, but one of the 42 inch pipes burst as soon as the pressure was brought on the main, and it could not be tried again until the 17th. No other accident occurring and the engine working well it was accepted by the engineer, and water was let into the city mains on the 15th of December and the new and old works connected.

TABLE III.

Amount expended for New Works to January 1st, 1878.

ITEMS.	1874.	1875.	1876.	1877.	Total.
Land .....	\$35,000.00				\$35,000.00
Force mains .....		\$138,211.37	\$137,322.67		275,534.04
Inlet pipe .....		16,469.05	5,675.40	\$2,960.06	25,104.53
Docks, basin and canal. ....		68,706.50	40,344.63	1,168.92	109,220.05
Conduit and conduit well.....			8,023.81	3,160.98	11,184.79
Engine, boiler and coal houses			58,464.28	41,351.87	99,816.15
Stand pipe and tower .....			7,057.72	22,746.43	29,804.15
Pump wells .....		22,200.53	12,482.29	429.65	35,112.47
Engine .....		56,935.51	43,850.46	2,341.51	102,127.48
Boilers .....			15,335.41	5,063.80	20,399.21
Engineer's house .....				3,009.99	3,009.99
Sewer .....			3,587.69	83.24	3,670.93
Grounds.....	500.00	689.98	3,257.14	11,354.50	15,541.62
Inspection .....		728.25	861.31	708.52	2,298.08
Miscellaneous .....	1,781.88	1,052.91	229.87	528.53	3,593.19
<b>Total .....</b>	<b>\$37,281.88</b>	<b>\$298,994.10</b>	<b>\$336,492.68</b>	<b>\$94,857.82</b>	<b>\$767,626.48</b>

I append a table of the pipeage of the city, corrected to January 1st, 1878, and one of the stop gates set during the past year, and the usual inventory of pipes, tools, building materials, and other property on hand.

I have the honor to be,

Very respectfully, your obedient servant,

D. FARRAND HENRY, *Chief Engineer.*

# PIPEAGE OF THE CITY OF DETROIT.

ALPHABETED BY STREETS, SHOWING THE KIND AND SIZE OF THE IRON  
PIPES AND WOODEN LOGS NOW IN USE.

LOCATION.	KIND.	DIAM. INCHES.
Abbott st., from Cass to Tenth st. ....	iron.	24
" alley s. of, from Cass st. to w. line Baker farm.....	"	4
" alley n. of, from First st. to w. line Baker farm .....	"	4
" alley n. of, from Eighth to Twelfth st .....	wood.	2½
" alley s. of, from Baker farm to Lognon farm.....	"	2½
Adair st., from Jefferson ave. to Guoin st.....	iron.	4
Adams ave., from John R to Randolph st .....	"	6
" from Williams to Hastings st .....	"	4
" alley s. of, from Clifford st. to Cass ave.....	"	4
" alley n. of, from Woodward ave. to Cass ave .....	"	4
" alley s. of, from Clifford st. east 240 feet .....	wood.	—
Adelaide st., from Woodward ave. to Brush st.....	"	2½
Alexander st., from Nineteenth st. west .....	"	2½
" from Foundry st. east .....	"	2½
Alexandrine ave., from Woodward to Cass ave.....	iron.	4
" from Cass ave. to Third st .....	wood.	3
" from Woodward ave. to Brush farm.....	"	3
Alfred st., from Woodward ave. east 242 feet.....	iron.	4
" 242 feet e. Woodward ave. to Beaubien st .....	wood.	2½
" from Beaubien to St. Antoine st.....	"	3
" from St. Antoine to Prospect st.....	"	2½
" from Riopelle to Dubois st .....	"	2½
" from Riopelle st. west 145 feet .....	"	3
Ann st., from Sixth to Seventh st .....	"	2½
Antietam st., from Russell st. to alley w. of McDougall ave.....	"	2½
Arch st., from Third st. to Grand River ave .....	iron.	24
" from Fifth to Crawford st .....	wood.	2½
Arndt st., from Gratiot ave. 246 feet east .....	"	2½
" from Joseph Campau ave. east .....	"	2½
Ash st., from alley e. of Trumbull ave. to Grand River ave.....	"	2½
" from Harrison ave. to alley e. Thirteen-and-a-half st.....	"	2½
" from National ave. to alley w. of Trumbull ave. ....	"	3
Atwater st., from alley e. of Griswold to Bates st .....	iron.	6
" from Randolph to Orleans st .....	"	4
" from Orleans st. to St. Aubin ave.....	"	4
" from St. Aubin ave. east 215 feet .....	"	4
" from Chene st. east 406 feet.....	"	3
" alley s. of, from Randolph st. to alley w. of Bates st.....	"	4
" from Dequindre to Dubois st .....	wood.	2½
Aurelia st., from Twelfth st. west.....	"	2½
Bagg st., from Woodward ave. to Fourteenth st.....	iron.	24
" from Seventh st. to alley east of Trumbull ave .....	wood.	2½
" from e. of National ave. west .....	"	2½
" from alley w. of Thirteenth st. east .....	"	2½



LOCATION.	KIND.	DIAM. INCHES.
Baker st., from Seventh to Twenty-fourth st .....	iron.	8
Bates st., from Atwater st. to Jefferson ave.....	"	8
" from Jefferson ave. to Farmer st.....	"	6
Beech st., from First to Seventh st.....	"	4
" alley s. of, from Sixth st. to alley west .....	wood.	2½
Beecher Place, from Twenty-second st. east 240 feet .....	"	2½
Beacon st., from Beaubien to St. Antoine st.....	iron.	4
" from St. Antoine st. east.....	wood.	2½
Beaubien st., from Atwater st. to Jefferson ave .....	"	6
" from Congress to Clinton st.....	"	6
" from Clinton to Watson st .....	"	4
" from Watson to Farnsworth st.....	"	10
" from Farnsworth st. north 1428 feet.....	wood.	8
" from Fremont to Farnsworth st .....	"	2½
Beaufait ave., from Jefferson ave. north 600 feet .....	"	2½
Belair st., from Riopelle st. to St. Aubin ave.....	"	2½
" from Jos. Campau ave. to Chene farm .....	"	2½
Benton st., from Brush farm to Russell st.....	"	2½
Berlin st., from 350 ft. e. to 245 ft. w. Joseph Campau ave.....	"	2½
Brady st., from Woodward ave. to Beaubien st.....	iron.	6
" from Beaubien st. west 243 feet.....	wood.	8
Brainard st., from Cass ave. to Third st.....	"	2½
Brewster st., from Brush to Beaubien st .....	"	3
" from Beaubien to St. Antoine st.....	iron.	4
" from St. Antoine to Prospect st.....	wood.	2½
" from Orleans to Riopelle st.....	"	2½
" from Dequindre st. to St. Aubin ave .....	"	2½
" from St. Aubin ave. across Dubois farm .....	"	8
Brevoort Place, from Twenty-second st. east 240 feet .....	"	2½
Brigham st., from Fourth to Crawford st .....	"	8
" from Crawford to Seventh st .....	"	2½
Bristol Place, from Twenty-second st. east 240 feet .....	"	2½
Bronson st., from Beaubien st. to Brush farm .....	iron.	4
" from Brush st. east 120 feet .....	wood.	8
" from Beaubien to Prospect st .....	"	2½
" from Gratiot ave. to Guoin farm .....	"	2½
Brush st., from Franklin st. to Jefferson ave .....	iron.	8
" from Jefferson ave. to Edmund st .....	"	4
" from Watson to Edmund st.....	"	24
" alley w. of, from Fort st. to alley south .....	"	4
" from Bronson to Adelaide st .....	wood.	8
Buchanan st., from Grand River ave. west 67 feet .....	"	8
Buena Vista st., from Sixth to Seventh st.....	"	2½
Butternut st., from Seventh st. to alley e. of Trumbull ave .....	"	2½
" from alley w. of Trumbull ave. to National ave .....	"	2½
Calhoun st., from Russell st. to Brush farm .....	"	2½
Campau ave. from Fort st. to River Road.....	"	8
Campbell ave., from Woodward to Cass ave.....	"	2½
Canfield ave., from Cass ave. to Third st .....	"	2½
Canfield st., from Sixth to Seventh st .....	"	2½
" from alley e. of Trumbull ave. east 300 feet .....	"	2½
" from National ave. east 300 feet.....	"	2½
" alley s. of, from alley e. of Trumbull ave. east 276 feet ..	"	8
Cass st., from Woodbridge st. to alley north.....	iron.	8
" from Jefferson ave. to Joy st .....	"	10
" from alley n. of Howard st. to alley s. of Michigan ave.....	"	4
" alley e. of, from alley s. of Michigan ave. south .....	wood.	—
" alley w. of, from Newman st. south 206 feet .....	"	2½

LOCATION.	KIND.	DIAM. INCHES.
Cass st., from Spencer st. to alley n. of Michigan ave .....	iron.	4
" from Jones to Lewis st .....	wood.	2½
Cass ave., from Joy st. to Alexandrine ave .....	iron.	8
" from Alexandrine ave. to Holden road .....	"	6
" from Henry to Sibley st. ....	wood.	2½
" alley e. of, from Stimson st. south 210 feet .....	"	2½
" alley w. of, from Gilman st. s. through alley .....	"	2½
" alley w. of, from Ledyard to Bagg st .....	"	2½
Catharine st., from Gratiot to Dequindre st. ....	iron.	4
" from Dequindre st. to Elmwood ave. ....	wood.	2½
Charles st., from Sixth to Seventh st. ....	"	2½
Charlotte ave., from Woodward to Cass ave. ....	iron.	4
" from Cass ave. to e. of Third st. ....	wood.	2½
Chase st., from Russell st. to Riopelle farm. ....	iron.	3
Chene st., from Atwater to Franklin st .....	wood.	2½
" from Wilkins to Watson st. ....	"	3
" from Congress to Mullett st .....	iron.	30
" from Jefferson to Gratiot ave. ....	"	6
Cherry st., from Grand River to Trumbull ave. ....	"	4
" from Twelfth st. east 210 feet. ....	wood.	2½
Chestnut st., from Orleans to Riopelle st. ....	iron.	4
" from Orleans st. to Elmwood ave. ....	wood.	2½
Clarke ave., from Woodbridge st. north 1164 feet .....	"	3
" from Michigan ave. to Car Works gate. ....	iron.	6
" in Car Works grounds .....	"	6
Clay st., from Prospect to Russell st .....	"	4
Clifford st., from Park Place to Sproat st .....	"	4
Clinton st., from Gratiot ave. to Rivard st. ....	"	10
" from Rivard to Orleans st. ....	"	16
" from Orleans st. to Elmwood ave. ....	"	8
Columbia st., from Woodward to Cass ave .....	"	4
" from Woodward ave. to John R st .....	iron.	6
" from John R to Beaubien st. ....	"	4
" from Beaubien to Prospect st .....	"	6
" alley s. of, from Woodward to Cass ave. ....	"	6
Congress st., from Bates to Brush st .....	"	4
" from St. Aubin ave. to Meldrum st ..	"	42
" from Randolph st. to St. Aubin ave .....	"	24
" from St. Antoine st. to St. Aubin ave .....	"	4
" alley s. of, from 80 ft. w. of Brush to St. Antoine st. ....	"	4
" alley s. of, from Griswold to Third st. ....	"	4
" alley s. of, from Fourth st. east 250 feet. ....	"	4
" alley n. of, from Brush to St. Antoine st. ....	"	4
" alley n. of, from alley w. of Woodward ave. to Fourth st. ....	"	4
" alley n. of, from Fourth to Seventh st .....	"	8
" alley n. of, from Seventh to Eighth st. ....	"	4
" from St. Aubin to Elmwood ave. ....	wood.	2½
" from Leib st. west 778 feet. ....	"	2½
" from Leib st. to Mt. Elliott ave .....	"	3
Crawford st., from Bagg to Brigham .....	iron.	6
" from Brigham to Lysander st. ....	wood.	3
Crane ave., from Jefferson ave. north .....	"	3
Croghan st., from St. Antoine to Orleans st. ....	iron.	4
" from Orleans st. to St. Aubin ave. ....	wood.	3
" from St. Aubin to Elmwood ave .....	iron.	4
Cross st., alley n. of. ....	"	4
Cutler st., alley n. of, from Crawford st. to Jones farm .....	wood.	2½
" from Sixth to Seventh st. ....	"	2½
Concord st., from Jefferson ave. north 291 feet .....	"	3

LOCATION.	KIND.	DIAM. INCHES.
Dalzel st., from Foundry st. west 130 feet .....	wood.	2½
Davenport st., from Woodward to Cass ave. ....	"	2½
Dequindre st., from Woodbridge st. to Jefferson ave .....	iron.	6
" " from Atwater to Guoin st. ....	wood.	2½
" " from Gratiot ave. south 360 feet .....	"	2½
" " from Division to Pierce st .....	"	2½
" " from St. Joseph to Fremont st. ....	"	2½
Detroit st., from Dequindre st. to St. Aubin ave .....	"	2½
" " across Dubois farm to west of Chene st. ....	"	2½
Division st., from Brush to Prospect st. ....	"	2½
" " from St. Aubin ave. to Guoin farm .....	"	2½
Dix Road, from Twenty-fourth st. west 360 feet .....	wood.	8
Dubois st., from Jefferson to Clinton ave .....	iron.	6
" " from Jefferson ave. to Franklin st .....	wood.	2½
" " from Maple st. to Gratiot ave .....	"	2½
" " from Gratiot ave. to Federal st .....	"	8
Duffield st., from Woodward to Cass ave .....	iron.	4
Edwards st., from Riopelle st. west 301 feet .....	wood.	2½
Edmund st., from Woodward ave. to Brush st .....	iron.	24
Eighth st., from Fort st. to alley north .....	wood.	2½
" " from Baker st. to alley north .....	"	2½
" " from Grand River ave. to Cutler st. ....	"	2½
" " from Cutler st. to north of McLean st. ....	"	8
" " from Michigan ave. to Orchard st .....	"	2½
" " from Michigan ave. to alley s of .....	iron.	4
Eighteenth st., from Fort st. to Michigan ave .....	"	6
" " from alley west of, from Marquette st. north 118 feet .....	wood.	8
Eighteenth-and-half st., from Woodbridge to Fort st. ....	iron.	4
E. L. Campau st., from Chene st. east 320 feet .....	wood.	2½
" " from Dubois st. to alley west of McDougall ave. ....	"	8
Elizabeth st., from Hastings st. to alley east of Woodward ave. ....	iron.	4
" " from alley east of Woodward ave. to Brush st .....	"	4
" " alley north of, from Cass ave. west .....	wood.	2½
" " alley s. of, from alley e. of Woodward ave. to Williams st. ....	"	2½
" " from Hastings st. east 390 feet .....	"	2½
Elm st., from alley east of Trumbull ave. 320 feet east .....	"	2½
" " from alley east of Thirteen-and-half st. to Thompson farm. ....	"	2½
" " National ave. to alley west of Trumbull ave. ....	"	8
" " from Seventh st. west .....	"	8
Elmwood ave., from Jefferson ave. to Croghan st. ....	iron.	4
" " from Croghan to Clinton st. ....	"	6
" " from Clinton to Sherman st .....	wood.	8
" " from Preston st. to Gratiot ave. ....	"	8
" " from Preston st. south 844 feet .....	"	4
" " from last point south 662 feet .....	"	8
Erskine st., from Woodward ave. east 750 feet .....	"	2½
Farmer st., from Bates st. to Gratiot ave .....	iron.	6
Farnsworth st., from Woodward ave. to Beaubien st. ....	"	6
" " from Beaubien st. to Russell st. ....	wood.	4
Father st., from Dubois st. east 210 feet .....	"	2½
" " from 410 feet west to 250 feet east of Chene st. ....	"	8
" " from Joseph Campau ave. east 414 feet .....	"	8
Federal st., from Dequindre st. to Dubois farm .....	"	2½
" " from Chene farm to McDougall farm .....	"	2½
Ferry st., from Russell st. to St. Aubin ave .....	"	8
Fifth st., from Labrosse st. to alley north .....	iron.	4
" " from Michigan ave. to Arch st. on both sides Elton and Crawford Parks .....	"	4
" " from Arch to Marcy st .....	wood.	8

LOCATION.	KIND.	DIAM. INCHES.
Fifth st., from Marcy to Noble st.....	wood.	2½
Fifteenth st., from Fort st. to Michigan ave.....	"	3
"        from Michigan ave. to Myrtle st.....	"	2½
"        from Myrtle st. to Grand River ave.....	"	3
Fifteenth-and-a-half st., from Woodbridge to Fort st.....	iron.	4
First st., from Jefferson ave. to alley north.....	"	8
"        from Front to Fort st.....	"	4
"        from Fort st. to Grand River ave.....	"	6
Forest ave., from Woodward to Cass ave.....	wood.	2½
"        "        "        "        ave. east 773 feet.....	"	3
Fort st., from St. Antoine to Orleans st.....	iron.	4
"        from Orleans st. to Elmwood ave.....	wood.	2½
"        from Leib st. east 236 feet.....	"	2½
"        "        "        west 259 feet.....	"	2½
"        from Seventh to Twenty-fourth st.....	iron.	6
"        from Twenty-fourth st. to Indian ave.....	wood.	3
"        alley north of, from Brush to St. Antoine.....	iron.	4
"        "        "        "        st. west 185 feet.....	wood.	
Foundry st., from Baker st. to M. C. R. R. crossing.....	"	2½
"        from Alexander st. to M. C. R. R. shops.....	"	2½
"        from Michigan ave. south 870 feet.....	"	2½
Fourth st., from Larned st. to alley south of Fort st.....	iron.	8
"        from alley south of Fort st. to Michigan ave.....	"	6
"        from Michigan ave. to Grand River ave.....	"	6
"        from Baggs st. north 396 feet.....	"	6
"        from Fulton to Brigham st.....	wood.	2½
"        from Brigham st. to 550 feet north of Gold st.....	"	3
"        from 500 feet north of Gold st. to Holden Road.....	"	2½
"        alley east of, from Tuscola st. 87 feet north.....	"	2½
Fourteenth st., from Fort st. to Lafayette ave.....	iron.	8
"        from Lafayette ave. to Baggs st.....	"	10
Frank st., from Crawford st. west 386 feet.....	wood.	2½
Franklin st., from Randolph to Beaubien st.....	iron.	4
"        from Beaubien to Orleans st.....	"	6
"        from Orleans to St. Aubin ave.....	"	6
"        from St. Aubin ave. to Adair st.....	wood.	2½
"        w. of Leib st. 310 ft.....	"	2½
"        alley s. of, from McDougall ave. to Walker st.....	"	2½
"        alley n. of, from McDougall ave. to Walker st.....	"	2½
Fremont st., from Woodward ave. to Beaubien st.....	iron.	6
"        from Woodward to Cass ave.....	"	4
"        from Beaubien to e. of Hastings st.....	wood.	4
"        from Russell st. to St. Aubin ave.....	"	4
Front st., from First to Second st.....	iron.	3
"        alley n. of, from Second to Third st.....	"	4
Fulton st., from Sixth to Seventh st.....	wood.	3
"        from Third to Fourth st.....	"	2½
Georgia st., from Dequindre st. to St. Aubin ave.....	"	2½
"        from St. Aubin ave. east 550 feet.....	"	3
"        from Hastings st. 850 west.....	"	3
"        from St. Antoine st. 296 feet east.....	"	2½
German st., from Dequindre st. to alley w. of Jos. Campan ave.....	"	2½
Gilman st., from Cass to Grand River ave.....	iron.	4
"        alley s. of, from Grand River ave. east 300 feet.....	wood.	2½
Grand River ave., from Seventh to Third st.....	iron.	8
"        "        "        from Cass to Third st.....	"	6
"        "        "        alley n. of, from Lincoln ave. west 47 feet.....	"	4
"        "        "        from alley s. of Macomb ave. to First st.....	wood.	—

LOCATION.	KIND.	DIAM. INCHES.
Grand River ave., from Sixth to Seventh st .....	wood.	8
" " each side of Eighth st. 380 feet.....	"	2½
" " from Lognon farm to Buchanan st .....	"	2½
" " from Twelfth to Thirteenth-and-a-half st .....	"	2½
" " from Fifteenth st. to w. of Pin Factory .....	"	2½
Grandy ave., from Federal st. to Harper ave.....	"	8
Grant st., from Dubois st. east 183 feet .....	"	8
Gratiot ave., from Woodward ave. to Brush st .....	iron.	10
" " from Brush st. to 750 feet n. of Mack st .....	"	6
Griswold st., from Atwater to State st .....	"	6
" " from Atwater st. to River .....	"	3
" " alley east of, 150 feet .....	wood.	—
Grove st., from Brush farm to Russell st .....	"	2½
Guolin st., from Orleans to Mullett farm .....	"	4
" " from Orleans to Deguindre st .....	wood.	2½
" " from w. line St. Aubin farm past St. Aubin ave .....	"	2½
" " from Chene to Adair st. ....	"	2½
Hale st., from Riopelle st. to St. Aubin farm .....	"	2½
" " from St. Aubin ave. west 300 feet .....	"	8
" " from Jos. Campan ave. to Chene farm .....	"	2½
" " e. of Dubois st. 524 feet .....	"	2½
Hancock ave., from Woodward to Cass ave .....	"	2½
Harriet st., from Randolph st. to A. Beaubien farm .....	iron.	4
" " from St. Antoine st. west 270 feet .....	"	4
Harrison ave., from Michigan ave. to Canfield st .....	wood.	2½
" " from Canfield to Butternut st .....	"	8
" " from Butternut to 88 feet n. of Laurel st .....	"	2½
Hastings st., from Congress to Fort st. ....	iron.	8
" " from Congress to Clinton st .....	"	6
" " from Congress st. South 118 feet .....	"	8
" " from Lafayette to Croghan st .....	"	8
" " from Clinton to Catharine st. ....	"	4
" " from Catharine to Watson st .....	"	6
" " from Elizabeth to Napoleon st. ....	wood.	2½
" " from Watson to Kentucky st. ....	"	8
" " from Kentucky to Georgia st. ....	"	2½
" " from Georgia st. n. 209 feet. ....	"	8
Hazel st., from 156 w. of Twelfth st. to 149 feet east .....	"	2½
Heidleberg st., from Jos. Campan ave. east 270 feet .....	"	2½
Henepin st., from Fifteenth to Seventeenth st .....	"	2½
Henry st., from Woodward ave. to Clifford st .....	iron.	4
" " from Third st. to alley east 190 feet .....	"	4
" " from Cass ave. to Third st. ....	"	6
High st., from Woodward ave. to Beaubien st .....	"	4
" " from Beaubien st. to A. Beaubien farm .....	"	8
" " from L. Beaubien farm to Russell st .....	wood.	2½
" " from Woodward to Grand River ave. ....	iron.	4
" " from Grand River ave. to Fourth st .....	wood.	2½
" " from Fourth st. to Crawford Park .....	iron.	4
" " from Crawford Park to Seventh st .....	wood.	2½
" " from Seventh st. to alley east of Ninth ave .....	"	2½
Holden Road, from Woodward to Cass ave .....	"	4
" " from Cass ave. to railroad crossing .....	"	8
Howard st., from Tenth to Twelfth st. ....	"	2½
" " from Sixteenth to Seventeenth st. ....	"	2½
" " from Twenty-second st. east 245 feet .....	"	2½
" " from Twenty-fourth to Twenty-fifth st .....	"	8
Humboldt ave., from Michigan ave. to 500 ft. n. of Linden st .....	"	2½

LOCATION.	KIND.	DIAM. INCHES.
Huron st., from Locust to Walnut st. ....	wood.	2½
Illinois st., from 270 feet west of Beaubien to Russell st. ....	"	2½
Indiana st., from Prospect to Russell st. ....	"	3
" from St. Antoine to Prospect st. ....	"	2½
" from Beaubien to St. Antoine st. ....	"	3
Indian ave., from Fort st. north 2115 ft. ....	"	3
" across Michigan ave. 50 ft. north. ....	iron.	4
" from " " 1428 feet south. ....	wood.	2¾
Irving st., from Crawford to Seventh st. ....	"	3
Iron st., from Jefferson ave. to Wight st. ....	"	2¾
Jay st., from Gratiot to Jos. Campau ave. ....	"	2½
" from Jos. Campau ave. east 320 ft. ....	"	3
" from east of Joseph Campau to McDougall ave. ....	"	2½
Jefferson ave., from Griswold to Orleans st. ....	iron.	10
" from Dequindre to Boat Club house. ....	"	6
" from Boat Club house to Crane ave. ....	wood.	3
" from Meldrum st. to new works. ....	iron.	42
" from Griswold to First st. ....	"	8
" alley s. of, from Brush st. to A. Beaubien farm. ....	"	3
" " from Randolph st. to alley west of Bates st. ....	"	4
" " from Shelby to Cass st. ....	"	4
" " from alley w. of Woodward ave. to alley w. of Griswold st. ....	"	4
" alley n. of, from alley w. of Bates st. to St. Antoine st. ....	"	4
" " from alley w. of Woodward ave. to First st. ....	"	4
" " from First to Third st. ....	"	8
John R st., from Miami to Madison ave. ....	"	4
" from Madison to Adams ave. ....	"	4
" from Adams ave. to Columbia st. ....	"	6
" Columbia to Edmund st. ....	"	3
" from Edmund st. 130 feet n. ....	"	6
Jones st., from Cass to west of Fourth st. ....	"	4
" from Labrosse farm east 300 feet. ....	wood.	2½
" alley south of, from alley west of Cass ave. to alley east of First st. ....	"	—
Jos. Campau ave., from Gratiot ave. to St. Joseph st. ....	iron.	4
" " from St. Joseph to Federal st. ....	wood.	4
" " from Larned to Clinton st. ....	"	3
" " from Jay st. north 180 feet. ....	"	2½
" " from Mother to Heidleberg st. ....	"	3
" " from Franklin to Woodbridge st. ....	"	2½
Joy st., from Cass ave. to alley east of Third st. ....	"	2½
Kentucky st., from Beaubien st. 1228 feet east. ....	"	2½
" from Prospect to Russell st. ....	"	2½
Labrosse st., from e. of Twenty-third to Twenty-fourth st. ....	"	2½
" from Twelfth st. east 550 feet. ....	"	3
" from Fourth to Fifth st. ....	iron.	4
" alley s. of, from Fourth to alley e. of Eighth st. ....	"	4
" alley n. of, from Fifth to Eighth st. ....	"	4
" alley s. of, from e. of Eighth st. to Thompson farm. ....	wood.	2½
" alley n. of, from Eighth st. to Lognon farm. ....	"	2½
Lafayette st., from St. Antoine to Orleans st. ....	iron.	4
" from Orleans st. to Elmwood ave. ....	"	6
" from St. Antoine st. w. 240 feet. ....	"	—
" from Leib st. to Mt. Elliott ave. ....	"	2½
" from Twenty-third to Twenty-fourth st. ....	"	2½
" alley n. of, from Brush to St. Antoine st. ....	"	4
Lafayette ave., alley s. of, from Griswold to First st. ....	"	6

LOCATION.	KIND.	DIAM. INCHES.
Lafayette ave., alley s. of, from First to Third st.....	iron.	4
" alley s. of, from Fourth st. east 250 feet .....	"	4
" alley s. of, from Fifth to Eighth st .....	"	4
" alley n. of, from Cass to Shelby st .....	"	4
" alley n. of, from First st. to Tenth st .....	"	6
" alley n. of, from Cass to First st .....	wood.	—
" alley n. of, from Fourteenth st. east .....	"	2½
" from Fourteenth to Twelfth st .....	iron.	4
" from Griswold to Shelby st .....	"	4
" alley s. of, from Eighth to 360 feet west of Tenth st..	wood.	2½
" from Twenty-second st. east .....	"	2½
" from Twenty-third to Twenty-fourth st .....	"	3
Lafayette Place, from Twenty-first to Twenty-second st.....	wood.	2½
Lambie Place, Twenty-second st. east 240 feet .....	"	2½
Larned st., from Randolph to Brush st .....	iron.	4
" from St. Antoine to Dequindre st .....	"	4
" from Third to Fourth st .....	"	8
" from Fourth to Fifth st .....	"	4
" from St. Aubin ave. to Biopelle st .....	"	12
" from St. Antoine st. west 240 feet .....	wood.	—
" from St. Aubin to Elmwood ave .....	"	2½
" from Leib st. to Mt. Elliott ave .....	"	2½
" alley n. of, from St. Aubin ave. to Dequindre st .....	"	2½
Laurel st., from National ave. to Thirteenth st .....	"	3
" from Twelfth st. e. 350 ft .....	"	2½
" from Grand River to National ave .....	"	2½
" from Thirteenth-and-a-half st. 336 feet east .....	"	2½
Ledyard st., from Cass ave. to Third st .....	iron.	6
Leib st., from Jefferson ave. to Lafayette st .....	wood.	2½
" from Jefferson ave. to Wight st .....	iron.	6
" north and south of Congress st .....	wood.	2½
Leland st., from Beaubien to Russell st .....	"	2½
Leverette st., from Seventh st. west 311 feet .....	"	2½
" alley s. of, from Eighth st. to Lognon farm .....	"	2½
" alley n. of, " " " " .....	"	2½
Lewis st., from Cass ave. to east of Fourth st .....	iron.	4
" from Fourth st. east 290 feet .....	wood.	2½
Lincoln ave., from Grand River ave. to alley north .....	iron.	4
" across Jefferson ave .....	"	4
" from Jefferson ave., 1290 north .....	wood.	3
Linden st., from Twelfth to Thirteenth st .....	"	2½
" from Thirteenth st. west 150 feet .....	"	2½
" from Mt. Hope ave. west 220 feet .....	"	2½
Lineven st., from Nineteenth st. 281 feet east .....	"	2½
Locust st., from Seventh st. to alley east of Ninth ave .....	"	2½
" from Harrison ave. west 570 feet .....	"	2½
" from Fourth to Seventh st .....	iron.	4
" from Thirteenth st. west 250 feet .....	wood.	2½
Mack st., from Gratiot to Elmwood ave .....	"	3
Macomb st., from St. Antoine to Orleans st .....	iron.	4
" from St. Antoine st. west 270 feet .....	wood.	—
" from Orleans st. to Elmwood ave .....	"	2½
" alley south of, from St. Antoine to Brush st .....	iron.	4
" alley south of, from Brush st. to alley west of .....	wood.	—
" alley north of, from St. Antoine to Brush st .....	iron.	4
Macomb ave., from Park to Clifford st .....	"	4
" alley west of, from Clifford st. to Cass ave .....	"	4
" " " " " 280 ft. east .....	wood.	2½

LOCATION.	KIND.	DIAM. INCHES.
Macomb ave., alley east of, from alley s. of Park st. to Cass ave. ....	iron.	4
McDougall ave., from Atwater st. to alley n. of Franklin st. ....	wood.	2½
“ “ alley west of, from Mullett to Antietam st. ....	“	2½
“ “ “ from Jay st. to Antietam st. ....	“	3
“ “ “ from Father to E. L. Campau st. ....	“	2½
“ “ alley east of, from Catharine to Chestnut st. ....	“	2½
“ “ “ from Mullett to Catharine st. ....	“	3
“ “ from Wight to Clinton st. ....	iron.	6
McLean st., from Jones farm to Crawford st. ....	wood.	2½
“ from Sixth to Eighth st. ....	“	2½
“ from Twelfth st. east 215 feet. ....	“	3
Magnolia st., from 215 feet east to 313 feet west of Twelfth st. ....	“	2½
“ from Twenty-fourth st. to alley e. of ....	“	3
Madison ave., from Williams to John E st., south side ....	iron.	4
“ from Williams to John R., north side ....	“	4
“ alley s. of, from John R to Randolph st. ....	“	4
“ alley n. of, from John R to Randolph st. ....	“	4
Maiden Lane, from Russell st. 190 feet east. ....	wood.	3
Maple st., from Gratiot to St. Aubin ave. ....	iron.	4
“ from St. Aubin to alley west of McDougall ave. ....	wood.	2½
“ from alley east of McDougall ave. east 192 feet. ....	“	3
Marcy st., from east of Fifth to Crawford st. ....	“	2½
Margaret st., from Dequindre st. east 410 feet. ....	“	2½
“ from Joseph Campau ave. to Chene farm. ....	“	2½
Maria st., from Sixth to Seventh st. ....	“	2½
Marion st., from Beaubien to Brush st. ....	iron.	4
“ from Beaubien st. east 390 feet. ....	wood.	2½
“ from St. Antoine to Russell st. ....	“	2½
“ from Russell to Orleans st. ....	iron.	4
Marquette st., from Twelfth st. west 450 feet. ....	wood.	2½
“ from Eighteenth to Nineteenth st. ....	“	3
Maybury ave., from Michigan ave. to 100 feet north of Linden st. ....	“	2½
Mechanic st., from Beaubien st. to Brush farm. ....	iron.	4
Meldrum st., from Congress st. to Jefferson ave. ....	“	42
“ from Jefferson ave. north 1,000 feet. ....	wood.	2½
“ from Jefferson ave. south 650 feet. ....	“	2½
Miami ave., from Williams to John R st. ....	iron.	4
“ alley e. of, from John R st. to Gratiot ave. ....	“	4
“ alley w. of, from alley s. of Williams st. to Gratiot ave. ....	“	4
“ alley w. of, from Gratiot ave. to alley south. ....	“	6
Michigan ave., from Woodward ave. to Bates st. ....	“	3
“ from Randolph to Cass st. ....	“	24
“ from Park Place to Wayne st. ....	“	4
“ from Washington ave. to First st. ....	“	10
“ from First to Twenty-fourth st. ....	“	3
“ from Twenty-fourth st. to Clarke ave. ....	“	6
“ alley s. of, from Bates st. to alley west. ....	“	4
“ alley s. of, from Cass st. east. ....	“	4
“ alley n. of, from Randolph st. to alley w. of Bates st. ....	“	4
“ alley n. of, from Griswold st. east. ....	“	4
“ alley n. of, from alley east of Washington ave. to alley e. of Griswold st. ....	“	4
“ alley n. of, alley w. of Washington ave. to alley w. of Cass st. ....	“	4
“ alley n. of, from alley s. of Monroe ave. 150 ft. east. ....	wood.	—
“ from Mt. Hope ave. to G. T. Junction. ....	“	3
Miller st., from Sixth st. west. ....	“	2½
Monroe ave., from Woodward ave. to Farmer st. ....	iron.	4



LOCATION.	KIND.	DIAM. INCHES.
Monroe ave., alley n. of, from alley w. of Randolph to Farmer st. ....	iron.	6
" alley n. of, Farmer st. to alley s. of Woodward ave. ....	"	4
" alley s. of, from Randolph st. to 180 ft. e. of alley n. of Michigan ave. ....	"	4
Montcalm st., from Woodward to Cass ave. ....	"	4
" from alley e. of Woodward ave. to Brush st. ....	"	4
" from Brush to Russell st. ....	wood.	2½
" alley s. of, from Beaubien st. west 240 feet ....	"	2½
Moore st., from Russell to Riopelle st. ....	iron.	4
Morse st., from Prospect to Russell st. ....	wood.	2½
Mother st., from 278 feet west of Dubois to Chene st. ....	"	2½
" from Chene st. east 377 feet ....	"	3
" from Joseph Campan ave. 400 feet east ....	wood.	3
Mt. Elliott ave. from Jefferson ave. south 990 feet. ....	"	2½
" from Jefferson ave. to cemetery ....	"	4
" from cemetery north 420 feet ....	"	3
" in cemetery ....	"	2½
Mt. Hope ave., from Michigan ave. to Linden st. ....	"	2½
Mullett st., from St. Antoine to Orleans st. ....	iron.	4
" from Orleans to Chene st. ....	"	30
" from Orleans to Elmwood ave. ....	wood.	2½
Mulberry st., from Twelfth to Thirteenth st. ....	"	2½
Myrtle st., from Grand River ave. to Nineteenth st. ....	"	4
Napoleon st., from Brush to Russell st. ....	"	2½
National ave., from Michigan ave. to Butternut st. ....	"	2½
" from Butternut to Laurel st. ....	"	3
" north of Laurel st. ....	"	2½
Newman st., from Cass ave. to Second st. ....	"	3
Nineteenth st., from Fort to Alexander st. ....	"	2½
Noyes st., from Fifth st. east 210 feet ....	"	2½
Noble st., from Crawford st. east 379 feet ....	"	2½
Ohio st., from Brush farm to Russell st. ....	"	2½
Ontario st., from St. Antoine to Prospect st. ....	"	3
" from Russell to Prospect st. ....	"	2½
" from Russell st. east 250 feet. ....	"	2½
" from Grandy ave. west 570 feet. ....	"	3
Orchard st., from Sixth st. to Elton Park ....	iron.	4
" from First st. to alley w. of Grand River ave. ....	wood.	3
" from alley w. of Grand River ave. to Elton Park. ....	"	2½
" from Sixth st. to Trumbull ave. ....	"	2½
Orleans st., from Pumps to Reservoir ....	iron.	24
" from Pumps to Congress st. ....	"	24
" from Pumps to Jefferson ave. ....	"	10
" from Jefferson ave. to Reservoir ....	"	8
Park Place, from Michigan ave. to State st. ....	iron.	4
Park st., from Woodward ave. to alley s. of Columbia st. ....	"	6
" from Sproat st. to Charlotte ave. ....	wood.	3
" from Charlotte ave. to Peterboro st. ....	"	2½
Pallister Road, from Woodward ave. to G. T. Junction ....	"	3
Parsons st., from Woodward to Cass ave. ....	"	2½
Patton st., from Clinton to Gratiot st. ....	iron.	4
Pearl st., from Prospect to Russell st. ....	wood.	2½
Peterboro st., from Woodward to Cass ave. ....	"	2½
Pierpont st., from Third st. east 313 feet. ....	"	2½
Pierce st., from Dubois to Chene st. ....	"	2½
" from St. Aubin ave. w. 55 feet ....	"	3
Pine st., from Grand River ave. to Seventh st. ....	iron.	4
" from Seventh st. to alley w. of Trumbull ave. ....	wood.	2½

LOCATION.	KIND.	DIAM. INCHES.
Pine st., from alley w. of Seventh st. west 100 feet .....	wood.	3
" from National to alley w. of Trumbull ave.....	"	2½
Pitcher st., from Cass ave. to alley e. of Third st.....	iron.	4
" from Jones farm to Crawford st .....	wood.	2½
Plum st., from Second to Seventh st .....	iron.	4
" from Seventh st. west 360 feet .....	wood.	2½
Prospect st., from Gratiot st. north 1850 feet .....	iron.	4
" from Watson to Bronson st .....	wood.	2½
" from Ohio to Ontario st .....	"	8
" from Farnsworth st. 661 feet south .....	"	8
Porter st., from Thirteenth st. east 150 feet .....	"	2½
Preston st., from Gratiot to Elmwood ave .....	"	8
Putnam ave., from Woodward to Cass ave .....	"	2½
Randolph st., from alley s. of Atwater st. to Jefferson ave .....	iron.	4
" from Larned st. to Michigan ave .....	"	4
" from Adams ave. to Congress st .....	"	6
" from Michigan ave. north .....	wood.	—
" alley e. of, from Fort st. to Gratiot ave .....	"	—
" alley w. of, from Atwater st. north.....	iron.	8
Riopelle st., from Larned st. to Jefferson ave.....	"	12
" from Marion st. to Gratiot ave .....	wood.	2½
" from Moore to Scott st. ....	iron.	4
" from Bronson to St. Joseph st .....	wood.	8
Rivard st., from Atwater to Franklin st.....	iron.	4
" from Franklin st. to Jefferson ave.....	"	8
" from Jefferson ave. to Congress st .....	"	4
" from Jefferson ave. to Clinton st.....	"	10
Russell st., from Congress to Croghan st .....	"	4
" from Catharine st. to Gratiot ave .....	"	4
" from Gratiot ave. to Fremont st.....	"	6
" from Leland to Georgia st.....	wood.	2½
" from Farnsworth st. 1124 feet north .....	"	2½
Scott st., from Joseph Campau ave. 275 feet west .....	"	2½
" from Riopelle st. to St. Aubin ave.....	iron.	4
Second st., from Bagg st. to Alexandrine ave.....	"	6
" from Front st. to alley north .....	"	4
" from Michigan ave. to Plum st.....	"	4
" from Fort st. to alley north.....	"	8
" from Holden Road 1366 feet north .....	wood.	8
" from alley south of Brainard st. to alley north .....	"	2½
Selden st., from Cass ave. to Third st.....	"	2½
Seventh st., from Woodbridge to alley n. of Lafayette ave .....	iron.	8
" from Bagg st. to Grand River ave.....	"	8
" alley n. of Lafayette ave. to Walnut st.....	"	10
" from Grand River ave. to Maria st.....	wood.	8
" from Maria to Brigham st.....	"	2½
Seventeenth st., from Fort st. to Michigan ave .....	"	8
" from Michigan ave. to Linden st.....	"	2½
Shelby st., from Atwater st. to Jefferson ave .....	iron.	4
" from Lafayette to Michigan ave .....	"	4
Sherman st., from Hastings to Orleans st.....	"	4
" Orleans st. to Elmwood ave.....	wood.	2½
Sibley street, from Woodward ave. to Clifford st .....	iron.	4
Silver st., from Prospect to Russell st.....	wood.	2½
Sixth st., from alley n. of LeBrosse to Bagg st .....	iron.	4
" from Bagg st. north 88 feet .....	"	8
" from Grand River ave. to Brigham st.....	wood.	2½

LOCATION.	KIND.	DIAM. INCHES.
Sixteenth st., from Howard to Baker st. ....	wood.	3
" from Baker st. to M. C. R. ....	"	2½
" from M. C. R. to Grand River ave. ....	"	3
South st., from Grand River ave. to Buena Vista st. ....	"	2½
Spencer st., from Cass ave. to Second st. ....	iron.	4
Sproat st., from Woodward to Cass ave. ....	"	4
Spruce st., from Fifth to Seventh st. ....	"	4
" from National ave. to alley w. of Ninth ave. ....	wood.	2½
St. Antoine st., from Franklin st. to Jefferson ave. ....	iron.	3
" from Jefferson ave. to Clinton st. ....	"	4
" from Gratiot ave. to Elizabeth st. ....	"	4
" from Elizabeth to Bronson st. ....	"	6
" from Bronson to Watson st. ....	"	8
" from Gratiot ave. south 150 feet ....	wood.	2½
" from Watson to Fremont st. ....	"	2½
St. Aubin ave., from Atwater to Fremont st. ....	iron.	6
" from Congress to Larned st. ....	"	12
St. Joseph st., from Ripelle st. to St. Aubin ave. ....	wood.	2½
" from Jos. Campau ave. to Chene farm ....	"	2½
State st., from Woodward to Washington ave. ....	iron.	10
Stimson st., from Woodward to Cass ave. ....	wood.	2½
Sullivan ave., from Michigan ave. to Magnolia st. ....	"	3
Superior st., from Prospect to Russell st. ....	"	2½
" from Hastings st. 913 feet west ....	"	2½
" from Hastings st. east 316 ft. ....	"	3
" from Dequindre st. to St. Aubin ave. ....	wood.	2½
Sycamore st., from Harrison ave. to alley e. of Thirteenth-and-a-half st. ....	"	2½
" from Grand River ave. west 123 feet. ....	iron.	6
" from National ave. to alley w. of Trumbull ave. ....	wood.	2½
Tenth st., from Woodbridge to Fort st. ....	"	3
" from alley s. of Lafayette to Baker st. ....	iron.	8
Theo. Campau st., from Chene st. to Jos. Campau ave. ....	wood.	2½
Third st., from Woodbridge st. to alley north ....	iron.	4
" from Larned st. to alley south. ....	"	8
" from Michigan ave. to High st. ....	"	4
" from Grand River ave. to Baggs st. ....	"	8
" from Fulton st. to 390 feet ft. n of Putnam ave. ....	wood.	3
" alley e. of, from Henry to Brainard st. ....	"	2½
Thirteenth st., from Fort to Woodbridge st. ....	iron.	4
" from Baker st. to Michigan ave. ....	wood.	3
" from Baker st. to s. of Porter st. ....	"	2½
" from Grand River ave. to Poplar st. ....	"	2½
" from Poplar to Linden st. ....	"	3
" from Michigan ave. to Baggs st. ....	"	2½
" from Fort st. to M. C. R. ....	"	2½
" alley w. of, from Myrtle to 384 ft. s. of Elm st. ....	"	2½
Thirteenth-and-a-half st., from M. C. R. to Michigan ave. ....	"	2½
" from Michigan ave. to Locust st. ....	"	3
" from Grand River ave. to D. & T. R. ....	"	2½
Tillman ave., from Michigan ave. to Magnolia st. ....	"	2½
Trumbull ave., from Michigan ave. north ....	"	2½
" alley e. of, from Cherry to Locust st. ....	"	2½
" alley e. of, from Lincoln to n. of Cutler st. ....	"	3
" alley e. of, from Canfield to Baggs st. ....	"	2½
" alley e. of, from Canfield st. south 213 feet ....	"	3
" alley e. of, from Baggs to Sycamore st. ....	iron.	6
" alley w. of, from Pine to Myrtle st. ....	wood.	2½

LOCATION.	KIND.	DIAM. INCHES.
Tuscola st., alley n. of, from Crawford st. east 360 ft.....	wood	2½
" alley s. of, from Crawford st. east 360 ft.....	"	2½
" from Fourth st. east 180 feet.....	"	2½
Twelfth st., from Woodbridge to Lafayette st.....	iron.	4
" from Howard to Baker st.....	"	4
" from Baker st. to Grand River ave.....	"	6
" from Grand River ave. to R. R. crossing.....	wood.	3
Twentieth st., from Michigan ave. to Fort st.....	iron.	6
Twenty-first st., from Fort to Baker st.....	wood.	3
" from Baker st. to 168 feet south.....	"	3
Twenty-second st., from Fort to Baker st.....	"	3
" from Baker st. to Bridge Works.....	"	2½
Twenty-third st., from Fort to Labrosse st.....	"	2½
" from Michigan ave. south 840 feet.....	"	2½
" from Michigan ave. north 960 feet.....	"	2½
" from M. C. R. R. crossing north 150 feet.....	"	3
Twenty-fourth st., from Baker st. to Michigan ave.....	iron.	8
" from Woodbridge to Fort st.....	"	4
" from Fort st. to Dix Road.....	wood.	3
" from Michigan Ave. to R. R. crossing.....	"	3
" alley e. of, from Magnolia st. north 130 feet.....	"	3
Twenty-fifth st., from Michigan ave. south 730 feet.....	"	3
" e. of, from Howard st. s. 114 feet.....	"	2½
Union st., from Fifth st. east.....	"	2½
Vinewood ave., across Michigan ave.....	iron.	4
" from Fort st. north 360 feet.....	wood.	3
" from Michigan ave. 1480 feet north.....	"	2½
Walker st., from Guoin st. to Jefferson ave.....	"	2½
" from Guoin st. to the river.....	"	3
Warren ave., from Woodward to Cass ave.....	"	2½
" from Woodward ave., east, 1052 feet.....	iron.	4
Washington ave., from State st. to Michigan ave.....	"	10
" alley w. of, from alley s. of Park st. to alley n. of Michigan ave.....	"	4
" alley e. of, from alley s. of Park to State st.....	"	4
" alley e. of, from State st. to alley south.....	"	4
Washington st., from Nineteenth st. east 270 feet.....	wood.	2½
Watson st., from Brush st. to Reservoir.....	iron.	24
" from Dequindre to Chene st.....	wood.	2½
" from John R to Brush st.....	"	2½
Wayne st., from Woodbridge st. to Michigan ave.....	iron.	4
Webster st., from Prospect to Russell st.....	wood.	2½
Wesley st., from Michigan ave. to Church st.....	"	2½
Whiting st., from Michigan ave. to Myrtle st.....	"	3
" from Myrtle to Linden st.....	"	2½
Wight st., from McDougall ave to Adair st.....	iron.	4
" Leib st. west 575 ft.....	"	4
" from Chene st. to McDougall ave.....	wood.	2½
" from Marine Hospital Grounds west.....	"	2½
" Mt. Elliott ave., east 640 feet.....	"	2½
Wilkins st., from Brush farm to Prospect st.....	"	2½
" from Riopelle to Orleans st.....	"	2½
" from Dequindre st. to St. Aubin ave.....	"	2½
" across Dubois farm.....	"	3
" from Dubois farm to Chene st.....	"	2½
Williams st., from Adams ave. to alley north.....	"	2½
" from Miami to Adams ave.....	"	4
" from Woodward to Miami ave.....	"	6

LOCATION.	KIND.	DIAM. INCHES
Williams ave., from Michigan ave. to n. of Linden st .....	wood.	2¼
Willis ave., from Woodward ave. to Third st .....	"	2¼
Winder st., from Woodward ave. to Brush st .....	iron.	4
Wing Place, from Nineteenth st. east .....	wood.	2¼
Winter st., from St. Aubin ave. west .....	"	2¼
Woodbridge st., from Randolph to Brush st. ....	iron.	4
" " from L. Beaubien farm to Russell st. ....	"	3
" " from Russell to Orleans st. ....	"	4
" " from Orleans to Dequindre st. ....	"	6
" " alley s. of, from Brush st. to A. Beaubien farm. ....	"	3
" " alley s. of, from Bates to Randolph st. ....	"	4
" " from alley w. of Woodward ave. to Second st. ....	"	4
" " from e. of Sixth to w. of Fifth st. ....	"	4
" " from e. of Sixth st. to M. C. R. R. crossing. ....	"	8
" " from M. C. R. R. crossing west 270 feet. ....	"	6
" " from 270 feet w. of M. C. R. R. crossing to 250 feet w. of Twenty-fourth st. ....	"	4
" " from Third st. west .....	iron.	4
" " from Campau to Clark ave .....	wood.	3
" " from Dequindre st. to St. Aubin ave. ....	"	2¼
" " from St. Aubin ave. east. ....	"	3
" " from Jos. Campau ave. west. ....	"	2¼
Woodward ave., from Atwater st. to Adams ave .....	iron.	8
" " from Adams to ave. to 30 ft. n. of Holden Road ....	"	10
" " from Atwater st. south 180 feet. ....	"	4
" " from George st. to 200 feet n. of Fremont st. ....	"	4
" " from Montcalm to alley s. of Elizabeth st. ....	"	6
" " from Edmund to Bagg st. ....	"	24
" " alley e. of, from alley s. of Williams st. to alley n. of Campus Martius .....	"	4
" " alley e. of, from alley s. of Michigan ave. to alley n. of Jefferson ave .....	"	4
" " alley e. of, from alley s. of Jefferson ave. to At- water st. ....	"	4
" " alley e. of, from Elizabeth st. to alley s. ....	wood.	2¼
" " alley e. of, from Montcalm to Columbia st. ....	"	2¼
" " alley w. of, from alley s. of Park st. to alley n. of Michigan ave .....	iron.	4
" " alley w. of, from alley n. of Congress st. to alley n. of Jefferson ave. ....	"	4
" " alley w. of, from alley s. of Jefferson ave. to At- water st. ....	"	4
" " from Holden to Pallister Road. ....	wood.	3
" " alley w. of, from Montcalm to George st. ....	iron.	4

N. B.—The blanks left in the Diameter Column signify logs laid previous to 1858, which were from 1½ to 2 inches bore; but no record was kept of their size.

# STOP GATES

SET AND RE-SET DURING THE SEASON OF 1877, ARRANGED BY NORTH  
AND SOUTH STREETS.

Size and kind of pipe.	Size of Gate.	CROSS STREETS.	Distance in feet from.				REMARKS.
			N.	E.	S.	W.	
BEAUBIEN ST.							
6 in. iron.	6 in.	...Congress st .....	0	.....	.....	23 e	
6 "	6 "	...Lafayette st .....	0	.....	.....	25 e	
6 "	6 "	...Clinton st .....	.....	.....	0	21 e	
6 "	6 "	...Columbia st .....	.....	10 w	23 n	.....	
6 "	6 "	...Farnsworth st .....	.....	0	25 n	.....	
2 1/4 in. wood.	4 "	...Illinois st .....	.....	0	18 n	.....	
2 1/4 "	4 "	... " " .....	.....	.....	16 n	0	
2 1/4 "	4 "	...Leland st .....	20 s	0	.....	.....	
4 "	4 "	...Fremont st .....	.....	0	20 n	.....	
CASS AVE.							
4 in. iron.	4 "	...Fort st .....	10 n	.....	.....	.....	
6 "	6 "	...Grand River ave .....	.....	.....	30 n	0	
4 "	4 "	...Jones st .....	21 s	.....	.....	0	
6 "	6 "	...Henry st .....	48 s	.....	.....	6 e	
6 "	6 "	...Ledyard st .....	41 s	.....	.....	0	
3 in. wood.	4 "	...Newman st .....	.....	.....	.....	0	
CHENE ST.							
2 1/4 in. wood.	4 "	...Guoin st .....	.....	16 w	3 s	.....	
6 in. iron.	6 "	...Lafayette st .....	27 s	.....	.....	0	
6 "	6 "	... " " .....	25 s	0	.....	.....	
CLARK AVE.							
6 "	6 "	...Michigan ave .....	.....	.....	0	.....	
6 "	6 "	...Gate Car Works .....	.....	.....	80 s	.....	
CRAWFORD ST.							
6 "	6 "	...Bagg st .....	1 s	17 w	.....	.....	
6 "	6 "	...Marcy st .....	2 n	17 w	.....	.....	
6 "	6 "	...Fulton st .....	0	14 w	.....	.....	
6 "	6 "	...Frank st .....	3 n	14 w	.....	.....	
6 "	6 "	...Brigham st .....	0	15 w	.....	.....	
6 "	6 "	... " " .....	.....	.....	20 n	0	
2 1/4 in. wood.	4 "	...Marcy st .....	14 s	0	.....	.....	
2 1/4 "	4 "	...Noble st .....	14 s	0	.....	.....	
2 1/4 "	4 "	...Pitcher st .....	31 s	0	.....	.....	
2 1/4 "	4 "	...Fulton st, alley n. of.	3 s	1 e	.....	.....	
8 "	4 "	...Irving st .....	.....	.....	16 n	0	
2 1/4 "	4 "	...Tuscola st, alley n. of	14 s	0	.....	.....	
2 1/4 "	4 "	...Maria st .....	.....	.....	20 n	0	
2 1/4 "	4 "	...Cutler st .....	30 s	0	.....	.....	
2 1/4 "	4 "	...Frank st .....	19 s	.....	.....	0	
2 1/4 "	4 "	...McLean st .....	23 s	0	.....	.....	
4 "	4 "	... " " alley s. of.	13 s	0	.....	.....	
DEQUINDRE ST.							
3 in. wood.	4 "	...Fremont st .....	.....	6 w	0	.....	
DUBOIS ST.							
2 1/4 "	4 "	...Hale st .....	18 s	0	.....	.....	
EIGHTH ST.							
2 1/4 "	4 "	...Michican ave .....	0	.....	.....	23 e	
2 1/4 "	4 "	...Grand River ave .....	3 s	20 w	.....	.....	

## STOP GATES—CONTINUED.

Size and kind of pipe.	Size of Gate.	CROSS STREETS.	Distance in feet from.				REMARKS.
			N.	E.	S.	W.	
		EIGHTEENTH ST.					
3 in. wood.	4 in.	...Marquette, alley n. of	.....	.....	8 n	0	
		ELMWOOD AVE.					
4 "	4 "	...Preston st .....	.....	26 w	2 n	.....	
3 "	4 "	...Wm. Gladwitz lot.....	171 s	22 w	.....	.....	
		FIRST ST.					
3 in. iron.	3 "	...Congress st .....	.....	.....	90 s	.....	
8 "	8 "	...Michigan ave .....	.....	.....	25 n	0	
4 "	4 "	...Jones st .....	19 s	0	.....	.....	
6 "	6 "	...Grand River ave .....	.....	0	30 n	.....	
3 in. wood.	4 "	...Orchard st .....	.....	.....	.....	0	
		FIFTH ST.					
8 in. iron.	8 "	...Michigan ave .....	.....	.....	32 n	0	
4 "	4 "	...Michigan ave .....	0	21 w	.....	.....	
		FIFTEENTH ST.					
8 in. wood.	4 "	...Michigan ave .....	8 s	20 w	.....	.....	
2½ "	4 "	...Michigan ave .....	.....	81 w	8 n	.....	
		FOURTH ST.					
6 in. iron.	6 "	...Bagg st .....	11 n	18 w	.....	.....	
		FOUNDRY ST.					
2½ "	4 "	...Michigan ave .....	.....	.....	3 n	28 e	
2½ "	4 "	...Griffin's Foundry....	.....	.....	86 n	.....	
		GRISWOLD ST.					
4 "	4 "	...State st .....	.....	40 e	.....	.....	
		GRAND RIVER AVE.					
6 "	6 "	...Locust st .....	.....	.....	32 n	1 e	
4 "	4 "	...Pine st .....	.....	.....	18 n	28 e	
		HARRISON AVE.					
2½ in. wood.	4 "	...Michigan ave .....	0	.....	.....	86 e	
		HASTINGS ST.					
6 in. iron.	6 "	...Columbia st .....	0	.....	.....	21 e	
6 "	6 "	...Napoleon st .....	0	.....	.....	21 e	
6 "	6 "	...Division st .....	0	.....	.....	20 e	
6 "	6 "	...Watson st .....	.....	.....	0	26 e	
6 "	6 "	... " .....	0	.....	.....	26 e	
2½ in. wood.	4 "	...Montcalm st .....	23 s	.....	.....	0	
2½ "	4 "	... " .....	27 s	0	.....	.....	
2½ "	4 "	...High st .....	25 s	0	.....	.....	
2½ "	4 "	... " .....	26 s	.....	.....	0	
2½ "	4 "	...Napoleon st .....	.....	0	23 n	.....	
2½ "	4 "	... " .....	.....	.....	25 n	0	
2½ "	4 "	...Marion st .....	.....	0	25 n	.....	
2½ "	4 "	... " .....	.....	.....	27 n	0	
2½ "	4 "	...Division st .....	.....	0	26 n	.....	
2½ "	4 "	... " .....	.....	.....	24 n	0	
2½ "	4 "	...Bronson st .....	.....	0	25 n	.....	
2½ "	4 "	... " .....	.....	.....	24 n	0	
2½ "	4 "	...Alfred st .....	.....	0	26 n	.....	
2½ "	4 "	... " .....	.....	.....	24 n	0	

## STOP GATES—CONTINUED.

Size and kind of pipe.	Size of Gate.	CROSS STREETS.	Distance in feet from.				REMARKS.
			N.	E.	S.	W.	
		HASTINGS ST.					
		CONTINUED.					
2½ in. wood.	4 in.	...Brewster st .....		0	27 n	.....	
2½ "	4 "	... " " .....			27 n	0	
2½ "	4 "	...Wilkins st .....		0	27 n	.....	
2½ "	4 "	... " " .....			26 n	0	
6 in. iron.	6 "	...Columbia st .....	26 s			0	
6 "	6 "	... " " .....	26 s	0			
6 "	6 "	...Clinton st.....			0	28 e	
6 "	6 "	...Congress st .....	25 n				
		HUMBOLDT AVE.					
2½ in. wood.	4 "	...Michigan ave.....	1 s	31 w	.....	.....	
		JOHN R ST.					
6 in. iron.	6 "	...Edmund st .....	0				
		LEIB ST.					
6 in. iron.	6 "	...Jefferson ave .....		16 w	14 n	.....	
6 "	6 "	...Franklin st.....			14 n	310 w	
		MAYBURY AVE.					
2½ in. wood.	4 "	...Michigan ave .....	0	34 w	.....	.....	
		MT. HOPE AVE.					
2½ "	4 "	...Michigan ave .....	0			24 e	
		NATIONAL AVE.					
2½ "	4 "	...Michigan ave .....	0	33 w	.....	.....	
		NINETEENTH ST.					
2½ "	4 "	...Fort st. ....	3 s	30 w	.....	.....	
		ORLEANS ST.					
4 in. iron.	4 "	...Maple st. ....		0	22 n	.....	
6 "	6 "	...Lafayette st.....	20 s	0			
4 "	4 "	...Marion st.....			21 n	0	
2½ in. wood.	4 "	...Brewster st.....			21 n	0	
6 in. iron.	6 "	...Gratiot st.....		20 w			
8 "	8 "	...Clinton st.....	8 s	0			
		PROSPECT ST.					
6 "	6 "	...Columbia st. ....	28 s	..		0	
		RANDOLPH ST.					
6 "	6 "	...Gratiot ave.....		20 w	0		
4 "	4 "	...Monroe av., alley s. of		21 w	20 n		
		RIVARD ST.					
4 "	4 "	...Macomb st .....	26 s	0			
		... " " .....	29 s			11 e	
		RUSSEL ST.					
4 "	4 "	...Marion st.....		0	21 n		
8 "	8 "	...Catharine st .....			30 s		
		SECOND ST.					
8 "	8 "	...Michigan ave.....			28 n	0	



## STOP GATES—CONTINUED.

Size and kind of pipe.	Size of Gate.	CROSS STREETS.	Distance in feet from.				REMARKS.
			N.	E.	S.	W.	
SEVENTH ST.							
8 in. iron.	8 in.	...Michigan ave.....	.....	.....	37 n	0	
10 "	10 "	.....	.....	.....	0	.....	
2½ in. wood.	4 "	...Baker st., alley s. of...	.....	0	.....	.....	
2½ "	4 "	...Elm st. ....	.....	22 n	0	.....	
2½ "	4 "	...Butternut st. ....	.....	21 n	.....	0	
2½ "	4 "	...Grand River ave. ....	.....	.....	0	.....	
SEVENTEENTH ST.							
2½ "	4 "	...Michigan ave.....	2 s	81 w	.....	.....	
3 "	4 "	.....	.....	87 w	8 n	.....	
SHELBY ST.							
4 in. iron.	4 "	...Jefferson ave .....	.....	.....	.....	100 w	
4 "	4 "	...Woodbridge st. ....	.....	.....	.....	65 w	
SIXTH ST.							
2½ in. wood.	4 "	...Grand River ave.....	0	37 w	.....	.....	
8 in. iron.	8 "	.....	.....	3 w	80 n	.....	
8 "	8 "	...Bagg st. ....	4 n	.....	.....	31 e	
4 "	4 "	...Michigan ave.....	.....	.....	32 n	0	
2½ in. wood.	4 "	...Fulton st. ....	.....	.....	.....	0	
SIXTEENTH ST.							
2½ "	6 "	...Michigan ave.....	.....	29 w	8 n	.....	
2½ "	6 "	.....	8 s	27 w	.....	.....	
SOUTH ST.							
2½ "	4 "	.. Grand River ave.....	0	17 w	.....	.....	
ST. ANTOINE ST.							
4 in. iron.	4 "	...Harriet st.....	.....	.....	.....	0	
ST. AUBIN AVE.							
6 in. iron.	6 "	...Lafayette st.....	20 s	.....	.....	0	
6 "	6 "	.....	20 s	0	.....	.....	
SULLIVAN AVE.							
8 in. wood.	4 "	...Michigan ave.....	1 s	37 w	.....	.....	
TENTH ST.							
24 in. iron.	24 "	...Abbott st .....	.....	.....	.....	7 w	
8 "	8 "	.....	.....	19 w	0	.....	
8 "	8 "	.....	2 n	19 w	.....	.....	
4 "	4 "	..... alley n. of...	12 s	0	.....	.....	
4 "	4 "	.....	11 s	.....	.....	0	
6 "	6 "	...Lafayette ave. "	.....	0	9 w	.....	
2½ "	4 "	...Porter st. "	8 s	0	.....	.....	
2½ "	4 "	.....	8 s	.....	.....	0	
2½ "	4 "	...Howard, alley n. of...	9 s	0	.....	.....	
2½ "	4 "	.....	11 s	.....	.....	0	
2½ "	4 "	...Labrosse st. "	8 s	0	.....	.....	
8 in. iron.	8 "	...Baker st. ....	.....	20 w	3 s	.....	
8 "	8 "	.....	4 n	19 w	.....	.....	
THIRD ST.							
6 "	6 "	...Henry st. ....	50 s	4 w	.....	.....	
6 "	6 "	...Ledyard st .....	48 s	0	.....	.....	
8 "	8 "	...Michigan ave.....	.....	.....	23 n	0	
4 "	4 "	...Jones st.....	19 s	0	.....	.....	

## STOP GATES—CONTINUED.

Size and kind of pipe.	Size of Gate.	CROSS STREETS.	Distance in feet from.				REMARKS.
			N.	E.	S.	W.	
		THIRTEENTH ST.					
3 in. wood.	4 in.	...Michigan ave.....	.....	41 w	0	.....	
2½ "	4 "	... " " " " " " " " " "	2 s	27 w	.....	.....	
		THIRTEENTH-AND-A-HALF ST.					
2½ "	4 "	...Michigan ave.....	.....	.....	0	4 e	
3 "	4 "	... " " " " " " " " " "	3 s	.....	.....	30 e	
8 "	4 "	... " " " " " " " " " "	.....	.....	3 n	26 e	
		TILLMAN ST.					
2½ "	4 "	...Michigan ave.....	0	21 w	.....	.....	
		TRUMBULL AVE.					
2½ "	6 "	...Michigan ave.....	0	41 w	.....	.....	
6 in. iron.	6 "	...Abbott st.....	1 n	39 w	.....	.....	
		TRUMBULL AVE. ALLEY E. OF.					
2½ in. wood.		...Bagg st.....	0	.....	.....	.....	
		TWELFTH ST.					
3 "	4 "	...Ash st.....	.....	0	21 n	.....	
2½ "	4 "	... " " " " " " " " " "	.....	.....	23 n	0	
2½ "	4 "	...Sycamore st.....	20 s	0	.....	.....	
2½ "	4 "	... " " " " " " " " " "	20 s	.....	.....	0	
2½ "	4 "	...Laurel st.....	19 s	0	.....	.....	
2½ "	4 "	...Magnolia st.....	.....	0	24 n	.....	
2½ "	4 "	... " " " " " " " " " "	.....	.....	24 n	0	
2½ "	4 "	...Hazel st.....	.....	0	24 n	.....	
2½ "	4 "	... " " " " " " " " " "	23 s	.....	.....	0	
2½ "	4 "	...Mulberry st.....	.....	.....	21 n	0	
		TWENTY-FIRST ST.					
3 "	4 "	...Fort st.....	1 s	.....	.....	22 e	
		TWENTY-SECOND ST.					
3 "	4 "	...Fort st.....	2 s	.....	.....	18 e	
		TWENTY-THIRD ST.					
2½ "	4 "	...Fort st.....	3 s	.....	.....	22 e	
2½ "	4 "	...Michigan ave.....	0	.....	.....	31 e	
2½ "	4 "	... " " " " " " " " " "	.....	.....	5 n	24 e	
		TWENTY-FOURTH ST.					
4 in. iron.	4 "	...Fort st.....	.....	.....	6 n	22 e	
3 "	4 "	... " " " " " " " " " "	2 s	.....	.....	24 e	
		WESLEY ST.					
2½ in. wood.	4 "	...Michigan ave.....	.....	.....	0	20 e	
		WHITING ST.					
3 "	4 "	...Michigan ave.....	0	28 w	.....	.....	
2½ "	4 "	...Grand River ave.....	.....	.....	.....	0	
		WILLIAMS AVE.					
2½ "	4 "	...Michigan ave.....	2 s	21 w	.....	.....	

## STOP GATES—CONTINUED.

Size and kind of pipe.	Size of Gate.	CROSS STREETS.	Distance in feet from.				REMARKS.
			N.	E.	S.	W.	
		WOODBIDGE ST.					
4 in. iron.	4 in.	Wayne st .....					
		WOODWARD AVE.					
10 "	10 "	Stimson st. ....	0			32 e	
10 "	10 "	Parsons st. ....	0			27 e	
10 "	10 "	Alexandrine ave. ....	0			30 e	
10 "	10 "	Fremont st. ....	0			28 e	
10 "	10 "	Warren ave. ....	0			30 e	
10 "	10 "	Frederick st. ....	0			29 e	
10 "	10 "	Forrest ave. ....	0			29 e	
10 "	10 "	Holden Road. ....	0			27 e	
10 "	10 "	Edmund st. ....	19 s	39 w			
10 "	10 "	" " .....		37 w	14 n		
10 "	10 "	Henry st. ....	0			23 e	
10 "	10 "	Montcalm st. ....	0			28 e	
8 "	8 "	Adams ave. ....	0			28 e	
4 "	4 "	" " alley n. of				6 n	13 e
4 "	4 "	High st. ....				22 n	15 e
4 "	4 "	Henry st. ....				27 n	15 e
4 "	4 "	Sibley st. ....				25 n	2 e
4 "	4 "	Sproat st. ....				25 n	2 e
4 "	4 "	Charlotte ave. ....				32 n	0
2 1/2 in. wood.	4 "	Stimson st. ....				26 n	6 e
2 1/2 "	4 "	Davenport st. ....				26 n	6 e
2 1/2 "	4 "	Parsons st. ....				27 n	0
2 1/2 "	4 "	Campbell st. ....				28 n	0
4 "	6 "	Alexandrine ave. ....				58 n	5 e
2 1/2 "	4 "	Willis ave. ....				45 n	0
2 1/2 "	4 "	Peterboro st. ....				24 n	4 e
4 in. iron.	4 "	Fremont st. ....				26 n	2 e
6 "	4 "	" " .....				27 n	34 e
2 1/2 in. wood.	4 "	Helen st. ....		0		33 n	
2 1/2 "	4 "	Forrest ave. ....				29 n	3 e
3 "	4 "	" " .....		0		29 n	
2 1/2 "	4 "	Hancock st. ....				28 n	3 e
2 1/2 "	4 "	Warren ave. ....	27 s				2 e
4 in. iron.	4 "	" " .....	28 s	12 w			
2 1/2 in. wood.	6 "	Putnam ave. ....	38 s				0
6 in. iron.	6 "	Farnsworth st. ....		18 w	24 n		
2 1/2 in. wood.	4 "	Frederick st. ....	27 s	0			
3 "	6 "	Holden Road. ....					10 e
4 "	4 "	Grand River ave. ....	50 n				
4 "	4 "	" " .....					
8 "	8 "	Michigan ave. ....		41 e		17 n	
4 "	4 "	Congress st. ....				43 s	
4 "	4 "	" " .....				40 s	
		NEW WORKS.					
30 "	30 "	Stand pipe tower .....		10 e			
24 "	24 "	" " " " .....			3 s		
6 "	6 "	" " " " .....					
6 "	6 "	" " " " .....					

# MECHANICAL ENGINEER'S REPORT.

DETROIT, January 1, 1878.

*To the Hon. Board of Water Commissioners :*

GENTLEMEN—I have the honor to submit the following annual statement of the operation of the department under my charge during the past year.

The following table shows the amount of water pumped, which is 147,905,320 gallons more than in the year previous. The cost of fuel compared with the amount of water delivered is less than it has been for the last fourteen years.

TABLE I.

Showing the number of gallons of Water Distributed in the Several Years from 1852 to 1877 inclusive.

YEAR.	Gallons of Water Pumped.	Cost of Fuel Consumed.	Average Daily Delivered.	Galls. of Water for One Cent Cost of Fuel.
1852.....	285,840,271	.....	646,411	.....
1853.....	303,531,743	\$ 2,129 37	931,594	1,425 45
1854.....	376,265,126	2,271 34	1,030,866	1,656 57
1855.....	542,807,384	3,325 81	1,487,143	1,632 10
1856.....	692,124,305	4,017 44	1,896,231	1,722 79
1857.....	697,190,523	3,993 20	1,909,837	1,745 94
1858.....	718,091,207	3,655 20	1,967,373	1,964 57
1859.....	782,112,587	3,194 15	2,142,774	2,448 57
1860.....	870,086,451	4,196 21	2,383,580	2,070 00
1861.....	895,129,423	4,414 07	2,452,409	2,027 90
1862.....	994,945,329	3,150 95	2,725,878	3,157 60
1863.....	1,035,798,043	4,670 86	2,837,808	2,217 57
1864.....	1,018,890,256	7,647 62	2,839,078	1,331 64
1865.....	1,049,514,887	7,372 39	2,875,383	1,423 47
1866.....	1,196,317,922	9,349 16	3,277,583	1,279 59
1867.....	1,425,535,230	10,121 82	3,905,576	1,408 37
1868.....	1,666,545,125	11,379 23	4,507,248	1,464 55
1869.....	1,646,310,325	11,247 92	4,511,809	1,484 10
1870.....	1,866,060,063	12,713 78	5,112,498	1,467 74
1871.....	2,300,150,605	14,681 05	6,301,782	1,567 42
1872.....	2,782,292,578	17,736 86	7,601,392	1,453 64
1873.....	3,193,393,943	20,233 30	8,762,723	1,580 76
1874.....	3,239,372,635	20,431 71	9,013,350	1,610 18
1875.....	4,207,454,260	21,398 93	11,527,272	1,966 73
1876.....	4,065,334,470	19,332 39	11,107,499	2,049 79
1877.....	4,213,239,790	17,433 72	11,543,123	2,416 72

This table also shows careful water takers that they not only have to pay for all they consume themselves, but also for what their neighbors waste.

Table II shows the amount of work done by the several engines during the year.

TABLE II.  
Showing the Work done by the Engines during the Year 1877.  
Engine No. 3.

MONTHS.	Time Run. H. M.	No. of Revolu- tions.	No. Gallons delivered.	Cords of Wood.	Cost of Wood.	Lbs. of Screen- ings.	Cost of Screen- ings.	Lbs. of Lac- wana and Brk'fd Coal consumed.	Cost of Coal con- sumed.	Total Cost and Coal.	Duty of Engine.
January	781 30	433,316	402,983,890	169%	\$523 71	.....	.....	497,345	\$1,019 55	\$1,543 26	46,244,970
February	628 00	376,239	349,902,270	1	3 20	.....	.....	632,796	1,297 23	1,300 43	41,407,200
March	698 35	406,896	378,413,290	1	3 20	.....	.....	704,100	1,443 40	1,446 60	40,252,500
April	421 25	206,532	192,353,760	.....	.....	7,801	\$3 90	344,426	1,007 51	1,011 41	40,357,470
May	701 25	354,084	338,598,120	.....	.....	7,560	8 78	619,137	1,862 13	1,867 51	38,092,500
June	734 50	409,067	380,432,310	.....	1 60	22,870	11 43	654,513	2,124 22	2,135 65	42,120,500
July	787 30	417,295	388,064,350	.....	.....	26,286	13 14	638,108	1,989 49	2,002 63	43,820,370
August	710 30	393,142	365,622,060	1%	3 00	97,884	48 94	598,471	1,073 64	1,125 58	43,741,700
September	705 10	375,297	349,026,210	1 1/2	3 00	131,288	65 64	569,725	984 51	1,053 15	37,287,470
October	624 40	320,824	298,366,320	1 1/2	1 20	137,079	68 53	483,804	821 88	891 56	36,106,280
November	624 35	318,234	295,957,620	1 1/2	3 67	90,050	45 02	557,320	780 65	829 84	38,026,000
December	7,886 15	4,021,226	3,739,740,180	169%	\$542 58	520,818	\$280 88	6,297,745	\$14,404 16	\$16,207 12	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Engines No. 1 and 2—Running Together.											
April	1,402 55	1,236,714	323,653,496	3/4	2 40	27,654	13 82	682,528	1,399 18	1,415 40	34,147,530
May	663 15	561,110	147,692,116	.....	.....	7,611	8 80	315,298	797 96	801 66	34,308,000
Total	2,066 10	1,797,824	471,345,612	3/4	\$2 42	35,265	\$17 62	997,826	\$2,197 04	\$2,217 06	.....

Total of the Three Engines.											
Total	9,402 26	5,819,050	4,211,065,792	170%	\$544 96	556,083	\$278 00	7,295,301	\$16,601 20	\$17,424 18	39,404,497

By engine at new works	.....	1,379	2,153,898	.....	.....	.....	.....	5,491	.....	9 54	.....
Totals	.....	5,820,429	4,213,280,790	.....	.....	.....	.....	7,300,792	.....	\$17,488 72	.....

The amount of fuel given in this table is the total consumed, including that used for banking fires, raising steam and warming the engine house; no deduction being made for ashes and clinkers.

The average time run by the engines is twenty-three hours a day.

The following is a statement of the amount and cost of fuel, oil, etc., consumed during the year.

INVENTORY JANUARY 1, 1877:

253½ cords of wood.....	\$753 83	
1,471 <sup>1879</sup> tons Brookfield coal.....	6,028 05	
908 <sup>458</sup> tons Lackawana ".....	6,121 41	
42 gallons lubricating oil.....	18 48	
4 gallons lard oil.....	3 40	
23 lbs. tallow.....	1 20	
280 lbs. cotton waste.....	30 80	
		<u>\$12,956 67</u>

PURCHASED DURING 1877:

80 cords of wood.....	\$ 74 22	
3,183 <sup>1879</sup> tons of Briar Hill coal.....	11,543 93	
68 <sup>454</sup> tons various coal.....	244 10	
198 <sup>220</sup> tons slack.....	387 25	
183 <sup>240</sup> screenings.....	183 07	
771 gallons black oil.....	223 83	
393½ gallons lard oil.....	186 09	
401 lbs. tallow.....	36 43	
3 lbs. vegetable extract.....	139 07	
704 lbs. rags.....	35 22	
793 lbs. cotton waste.....	58 97	
		<u>\$13,111 78</u>
		<u><u>\$26,068 45</u></u>

CONSUMED DURING 1877:

191½ cords of wood.....	\$ 560 03
1,470 <sup>1879</sup> tons of Brookfield coal.....	6,024 45
908 <sup>458</sup> tons Lackawana coal.....	6,121 41
1,060 <sup>1879</sup> tons Briar Hill coal.....	3,911 13
68 <sup>454</sup> tons various coal.....	244 10
198 <sup>220</sup> tons slack coal.....	387 25
183 <sup>240</sup> tons screenings.....	183 17
713 gallons black oil.....	212 81

310½ gallons lard oil .....	149 13	
159 lbs. tallow .....	13 78	
3 bbls. of vegetable extract .....	139 07	
604 lbs. rags .....	30 22	
858 lbs. cotton waste .....	70 72	
	<hr/>	\$18,047 27

**DELIVERED TO NEW WORKS AND PIPE DEPARTMENT:**

59 tons of coal .....	\$ 202 40	
3½ cords of wood .....	9 42	
	<hr/>	\$211 82

**INVENTORY JANUARY 1, 1878:**

89 cords of wood .....	\$ 258 10	
2,085 tons Briar Hill coal .....	7,434 00	
100 gallons black oil .....	29 00	
87 gallons lard oil .....	40 36	
265 lbs. tallow .....	23 85	
100 lbs. rags .....	5 00	
215 lbs. cotton waste .....	19 05	
	<hr/>	\$7,809 36
		<hr/>
		<hr/> \$26,068 45

**COST OF PUMPING:**

For fuel, less ashes sold .....	\$18,018 09	
For salaries and pay rolls .....	9,064 17	
For gas and incidental expenses .....	962 61	
	<hr/>	\$28,044 87
For repairs to engines and boilers .....	1,497 54	
Labor .....	142 16	
	<hr/>	<hr/> 1,640 10

Thus, the cost of pumping each million of gallons has been \$6.66, or, taking the average lift at 90 feet, of raising the same 100 feet high, \$7.40.

I am gratified to report that the engines and boilers are in good condition, and that no considerable repairs have been needed during the year.

The compound engine of the new works is completed, and has worked well—there are some adjustments of valves, etc., necessary, and upon which I am now engaged. The engine and pumps were run and the water wasted in the canal until the basin was filled with clear water from the channel of the river; the 42-inch valve was then opened and the main flushed out before opening the connections with the old works.

I give below a few dimensions of the parts of the engine as of present interest, deferring a full description till a future report.

It is a compound vertical beam engine, the high pressure cylinder being 42 inches, and the low pressure 84 inches bore, and both 6 feet stroke. Both are also steam-jacketed. The beam is formed of 6 plates of homogenous steel,  $\frac{1}{2}$  inch thick; 5 feet 6 inches deep at the center and  $25\frac{1}{2}$  feet long. The steel plates are separated by thimbles and fastened by turned bolts and rivets in reamed holes, the latter being riveted cold. Its weight is 11 tons.

The pins for the links of the cylinders are 9 feet 3 inches from the beam center, and the connecting rod pin is 14 feet 3 inches from same, giving a crank travel of 9 feet 3 inches. The fly wheel is 24 feet in diameter, and weighs 30 tons; the crank shaft being 15 inches in diameter.

The pumps are double acting,  $40\frac{1}{4}$  inches in diameter, and the pistons are secured to the downward continuation of the steam piston rods, the stroke consequently being the same.

The valves are of rubber, one inch thick, the suction 19 by  $7\frac{1}{2}$  inches, 48 for each pump; and the delivery, 116 for each pump, and 9 inches in diameter. The area of the openings being nearly double the pump area.

The air vessel is 41 feet 5 inches in height from bottom of pump well, and forms the center column on which the pillow blocks of the beam center are supported. It was cast in 6 sections, two sections being cast in one piece with a section of the delivery valve chamber.

The engine is supplied with steam by four boilers, 8 feet in diameter, and 17 feet long, of the marine type, with 4 inch return tubes. They are constructed of homogenous steel, manufactured by Otis, of Cleveland, varying from  $\frac{1}{2}$  to  $\frac{3}{8}$  inch in thickness. Two of the boilers were made by Desotel & Hutton, and two by Jno. McGregor & Bro., and have so far worked very satisfactorily.

All of which is respectfully submitted.

JOHN E. EDWARDS, *Engineer.*



# REPORT OF SUPERINTENDENT OF EXTENSION AND REPAIRS.

OFFICE OF SUPT. OF EXTENSION AND REPAIRS, }  
DETROIT, January 1, 1878. }

In accordance with the requirements of the Board, I submit in brief a statement of work done in the department placed under my charge during the past year.

Iron pipe have been laid as follows :

42 inch diameter .....	24 feet.
30 " " .....	216 "
24 " " .....	1,467 "
10 " " .....	10,429 "
8 " " .....	7,097 "
6 " " .....	24,687½ "
4 " " .....	9,146 "
3 " " .....	856½ "
<hr/>	
Total iron pipe .....	53,923 feet. 10½¼ miles.

## WOOD LOGS.

4 inch diameter.....	1,066 feet.
3 " " .....	4,416 "
2½ " " .....	9,831 "
<hr/>	
Total.....	15,313 feet.
Total wood and iron.....	13,447½ miles.

There have been 39,908 feet wooden logs discontinued.

Seventy-four new connections have been made for water supply for Fire Department the past season.

	Previously reported.	1877.	Total.
Fire Hydrants.....	595	71	666
Cisterns.....	169	3	172
Total .....	764	74	838

There have been 237 connections made with mains and supply pipes where crossing or intersecting each other ; of this amount 166 were made with pipes laid the past season. These connections have added very much to the equal distribution of water.

During the season 222 gates or stop valves have been set ; 34 gates of old patterns have been taken out, a large portion of which were single faced, and, I believe, long since condemned as unfit for use. The bolted sleeve adopted by my predecessor, Mr. B. B. Moore, and used for a long time with much advantage to the city, is continued in use, and during the past season I have added to it a hub socket, so that by the addition of this socket we are enabled to make connections without any disturbance to the pipes that water is to be taken from, except to cut an opening in the pipe of the desired capacity of the one to be connected. Connections have been made with the above socket sleeve from 3 inches to 24 inches—the expense is very trifling as compared with the expense of cutting the pipe, putting in branch and sleeving up as heretofore. (See drawing in detailed report).

Twenty-five dead ends have been done away with by extension of pipe.

During the fall a full and thorough inspection of premises and connections was made.

The repairing of pavement where pipes have been laid has been done by the Board of Public Works, as has been the custom before my employment by the Board ; the price charged is 30 cents per yard for wood, and 12½ cents for stone pavements ; their accounts for the season amount to \$2,530.80. The reser-

voir was thoroughly cleaned and the pavement repaired in the summer.

For particulars as to all pipe connections, location and sizes of valves, location of all pipe laid, &c., reference is had to detailed report herewith submitted, with all necessary tables.

Several of the defective valves taken out the past season have been repaired in the temporary work-shop under the office at very little expense to the city, and set in the outer districts, where their use is not frequently required.

Respectfully submitted.

HENRY BRIDGE,  
*Superintendent of Extension and Repairs.*

## APPENDIX.

## ASSESSMENT FOR 1877-78.

	WARDS.	No. of Families assessed.	No. of Families not assessed.	Whole No. of Families.	Increase of Families assessed.	Tenements Vacant.	Assessment.
First District.	Seventh .....	1,688	11	1,699	24	126	\$14,994 00
	Tenth .....	1,958	25	1,983	79	97	14,616 00
	Thirteenth .....	1,730	95	1,825	49	59	11,749 00
	Hamtramck Junction.	109		109	— 21	16	1,960 00
	Total .....	5,485	131	5,616	131	298	\$43,328 00
Second District.	Third ....	617	10	627	— 6	83	\$10,125 00
	Fourth .....	1,158	15	1,173	— 50	161	9,982 00
	Sixth .....	1,640	30	1,670	.....	110	17,863 00
	Eleventh .....	2,433	42	2,475	58	231	19,251 00
	Total .....	5,848	97	5,945	2	585	\$57,171 00
Third District.	First .....	711	1	712	— 36	67	\$13,597 00
	Second .....	120	—	120	— 13	5	11,805 00
	Fifth .....	2,211	1	2,212	29	107	26,261 00
	Total .....	3,042	2	3,044	— 20	179	\$51,663 00
Fourth District.	Eighth .....	1,896	15	1,911	13	184	\$14,878 00
	Ninth .....	2,781	39	2,820	71	229	22,800 00
	Twelfth .....	1,172	33	1,205	35	110	10,109 00
	Springwells .....	121	.....	121	11	8	6,854 00
	Total .....	5,970	87	6,057	130	581	\$63,441 00
	Aggregate .....	20,345	317	20,662	243	1,598	\$205,608 00

# STATISTICS FOR 1877 AND 1878.

	First District.				Second District.				Third District.				Fourth District.				Aggregate.			
	Second.	Tenth.	Thirteenth.	Hamrick.	Total.	Third.	Fourth.	Sixth.	Eleventh.	Total.	First.	Second.	Fifth.	Total.	Eighth.	Ninth.		Twelfth.	Springw'la.	Total.
Families assessed.....	1,688	1,958	1,730	109	5,485	617	1,158	1,640	2,433	5,848	711	120	2,211	3,042	1,896	2,781	1,172	121	5,970	20,345
Hotels and Board'g Houses.....	8	6	.....	1	15	67	23	46	4	140	67	19	27	113	9	9	.....	1	19	287
Offices.....	6	4	.....	4	14	16	4	29	2	51	41	337	35	413	6	6	2	1	15	493
Stores.....	65	43	36	11	155	128	71	138	97	434	126	262	189	577	87	91	43	7	228	1,394
Manufactories.....	14	7	3	1	25	31	19	10	19	79	20	32	11	63	6	18	11	5	40	207
Shops.....	51	27	32	8	118	54	31	70	48	203	62	66	72	200	44	49	18	4	115	636
Steam Engines.....	14	4	3	1	22	16	10	6	9	41	22	32	16	70	7	9	11	7	84	167
Depots.....	.....	.....	.....	1	1	2	.....	.....	.....	2	5	.....	.....	5	.....	.....	.....	.....	8	8
Public Buildings.....	9	5	3	.....	17	3	2	3	5	13	3	4	4	11	5	10	3	2	20	61
Churches.....	6	4	2	.....	12	3	6	5	5	19	5	4	10	19	2	3	.....	5	55	55
Theatres.....	.....	.....	.....	.....	.....	1	1	1	.....	3	1	3	.....	4	.....	.....	.....	.....	7	7
Breweries.....	7	2	4	.....	13	1	1	1	5	8	2	2	1	5	2	3	.....	5	31	31
Distilleries.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	1
Saloons.....	45	30	16	7	98	73	35	26	63	197	50	59	27	136	27	33	19	11	90	521
Stables.....	4	6	1	4	15	9	2	3	2	16	11	10	10	31	1	.....	1	2	64	64
Horses.....	268	331	217	35	851	173	296	353	348	1,175	410	191	653	1,254	318	595	183	133	1,229	4,509
Cows.....	31	75	219	6	331	5	14	91	283	393	14	2	62	78	94	320	188	22	474	1,376

## COMPARATIVE STATEMENT OF ASSESSMENTS.

WARDS.	Families Assessed.		Families not Ass'd.		Tenements Vacant.	
	1876.	1877.	1876.	1877.	1876.	1877.
First .....	747	711	1	1	29	67
Second.....	133	120	.....	.....	5	5
Third.....	623	617	8	10	58	83
Fourth .....	1,208	1,158	15	15	113	161
Fifth .....	2,182	2,211	2	1	93	107
Sixth .....	4,015	1,640	78	30	260	110
Seventh.....	1,664	1,688	10	11	89	126
Eighth .....	1,883	1,896	18	15	155	184
Ninth .....	2,710	2,781	44	39	203	229
Tenth.....	1,879	1,958	40	25	100	97
Eleventh .....	*	2,433	*	42	*	231
Twelfth .....	1,137	1,172	54	33	86	110
Thirteenth .....	1,681	1,730	94	95	29	59
Total .....	19,862	20,115	364	317	1,220	1,569

\*Assessed in with Sixth Ward.

## RECEIPTS, &amp;c., FOR THE YEAR 1877.

	YEARS.	1st District.	2d District.	3d District.	4th District.	Aggregates.
Rates.	1873-4.....	\$ 5 00	.....	.....	2 00	7 00
	1874-5.....	87 00	.....	8 00	44 50	84 50
	1875-6.....	134 00	.....	120 50	176 75	431 25
	1876-7.....	23,366 36	31,925 61	26,837 67	27,857 43	109,987 07
	1877-8.....	20,904 55	27,118 94	26,220 79	25,594 02	99,778 30
		\$44,446 91	\$59,044 55	\$53,181 96	\$53,614 70	\$210,288 12
Loss.	1873-4.....	.....	.....	.....	2 00	2 00
	1874-5.....	21 25	.....	.....	15 19	36 44
	1875-6.....	552 15	.....	24 25	191 88	767 78
	1876-7.....	982 33	1,895 45	963 03	1,332 43	5,173 23
	1877-8.....	177 55	304 40	67 94	204 23	754 11
		\$1,733 27	\$2,199 85	\$1,055 22	\$1,745 22	\$6,733 56
Gain.	1873-4.....	.....	.....	.....	.....	.....
	1874-5.....	.....	.....	.....	.....	.....
	1875-6.....	1 25	.....	2 25	5 25	8 75
	1876-7.....	1,653 65	2,011 99	1,551 45	1,905 60	7,122 69
	1877-8.....	990 53	964 96	999 48	971 99	3,956 96
	Totals .....	\$2,575 43	\$2,976 95	\$2,553 18	\$2,882 84	\$10,988 40

## CONDITION OF ASSESSMENTS, JANUARY 1, 1878.

	YEARS.	1st District.	2d District.	3d District.	4th District.
Assessments.	1873-4.....	\$55,662 05	.....	\$47,452 00	\$65,138 50
	1874-5.....	59,894 75	.....	51,674 42	70,842 75
	1875-6.....	63,066 75	.....	57,002 00	75,042 00
	1876-7.....	43,935 50	59,832 00	53,741 00	82,368 00
	1877-8.....	43,388 00	57,171 00	51,663 00	58,441 00
Rates Received.	1873-4.....	58,214 39	.....	49,125 10	67,791 12
	1874-5.....	62,797 11	.....	54,547 24	74,564 45
	1875-6.....	64,597 93	.....	59,836 94	77,659 45
	1876-7.....	45,086 75	60,073 37	53,835 65	58,422 47
	1877-8.....	20,904 55	27,118 94	26,220 79	26,534 02
Loss.	1873-4.....	2,283 46	.....	1,930 04	2,251 51
	1874-5.....	1,522 66	.....	1,141 81	1,965 90
	1875-6.....	2,136 19	.....	1,119 65	2,136 11
	1876-7.....	1,094 60	2,306 32	1,095 25	1,504 04
	1877-8.....	177 55	304 40	67 94	204 22
Gain.	1873-4.....	4,887 55	.....	3,632 18	5,029 87
	1874-5.....	4,701 75	.....	4,087 88	5,883 85
	1875-6.....	3,790 76	.....	4,051 31	5,025 31
	1876-7.....	2,823 45	3,151 64	2,406 40	3,061 76
	1877-8.....	920 53	964 96	999 48	971 99
Balances Due.	1873-4.....	51 75	.....	29 04	120 74
	1874-5.....	276 73	.....	73 25	176 25
	1875-6.....	123 39	.....	96 72	271 75
	1876-7.....	627 60	604 95	716 50	503 25
	1877-8.....	\$23,166 43	\$30,712 62	\$26,373 75	\$28,674 75

The "Loss" results from deductions for removals, vacancies, diminished uses of water, etc. "Gain" shows additions for new assessments, increased uses of water etc.



## STATEMENTS.

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DETROIT, MICH., August 8, 1877.

*To the Board of Water Commissioners of the City of Detroit :*

GENTLEMEN—The undersigned, who were directed to have the accounts of the Secretary examined, beg leave to report that they employed D. R. Peirce and John Campbell to make the examination. Their report is hereto attached, showing that they have made a full examination of the Secretary's books and vouchers from January 1, 1877, to July 1, in which is included the bank account with the Water Board, and all was found correct.

Respectfully submitted.

C. HURLBUT,

J. OWEN,

Committee on Ways and Means.

DETROIT, July 21, 1877.

*To the Hon. Board of Water Commissioners of the City of Detroit:*

GENTLEMEN—The undersigned, a committee appointed to examine the books and accounts of the Detroit Water Works, for the six (6) months ending June 30th, 1877, report as follows, viz :

We have carefully examined the accounts, vouchers, and books of the Secretary; have compared the cash book and vouchers with the journal, and the journal with the ledger, and find them correct. We also examined the balance sheet dated July 1st, 1877, and have certified the same to be a correct statement of the finances of the Board on the 1st July, 1877. An examination of the cash and bank accounts was made by D. R. Peirce, and the same were found to be correct; the balance in bank on the 1st July, 1877, as shown by the Secretary's books, viz :  
\$109,415.92, is correct.

Respectfully submitted,

D. R. PEIRCE.

JOHN CAMPBELL.

DETROIT, MICH., Feb. 6, 1878.

*To the Board of Water Commissioners of the City of Detroit :*

GENTLEMEN—The undersigned have to report that they employed D. R. Peirce and John Campbell to examine the Secretary's books, vouchers and all money transactions in the office from July 1, 1877, to January 1st, 1878. Their report in full is hereto attached, showing that everything was found correct.

Respectfully submitted,

C. HURLBUT,  
J. OWEN,

Committee on Ways and Means.

DETROIT, January 24th, 1878.

*To the Hon. Board of Water Commissioners of the City of Detroit :*

GENTLEMEN—The undersigned, appointed by the Board to examine the vouchers, accounts, and books of the Water Commissioners of the City of Detroit, report :

That, the examination was resumed from the date of their last examination, viz : July 1st, 1877, and continued to December 31, 1877, and after carefully examining the books of the Secretary, (cash book, journal and ledger), and condition of same as shown by the Balance Sheet of January 1st, 1878, certify the same to be correct.

Respectfully submitted,

D. R. PEIRCE.  
JOHN CAMPBELL.

DETROIT, January 24th, 1878.

*To the Hon. Board of Water Commissioners of the City of Detroit :*

GENTLEMEN—The undersigned, one of the persons chosen to examine the books, etc., of the Water Commissioners, has this day examined the "Cash," and "First National Bank" account, and report the amount on hand in bank on January 1st, 1878, \$47,544.38 ; and also \$8,211.69 Sinking Fund ; the precise amounts called for by the books of the Secretary.

Respectfully submitted,

D. R. PEIRCE.



MONTH.	GAIN.			BALANCES.			
				"Gains" being added to and "Rates Rec'd" and "Losses" subtracted from "Amount of assessments due."			
1875.	st.	N. Dist.	Total.	E. Dist.	W. Dist.	N. Dist.	Total.
July .....	30	350 61	1,084 37	52,247 84	68,408 42	47,578 08	163,228 84
August .....	56	152 98	528 23	49,583 89	59,088 92	44,191 82	152,869 13
September .....	91	237 72	722 75	47,489 67	55,677 28	41,409 47	144,576 32
October .....	52	415 39	1,331 96	38,903 89	46,044 68	34,478 39	119,426 86
November .....	50	217 27	586 69	35,558 10	42,416 67	31,528 97	109,503 74
December .....	14	396 44	1,094 39	33,293 54	38,932 65	29,130 97	101,357 16
1876.							
January .....	86	529 75	1,714 75	23,064 58	27,532 11	20,228 97	70,825 66
February .....	71	238 68	777 20	19,336 28	23,761 60	16,953 20	60,051 08
March .....	39	203 02	746 34	17,105 90	20,473 37	14,796 87	52,375 64
April .....	06	544 93	1,773 96	8,801 48	10,721 49	7,462 76	26,985 73
May .....	02	270 40	648 39	6,494 76	8,447 72	5,276 68	20,219 16
June .....	99	156 26	643 70	4,414 25	5,579 32	3,692 84	13,686 41
July .....	62	276 70	802 34	2,340 79	2,887 28	1,287 97	6,015 99
August .....	15	30 75	310 25	1,252 29	1,204 73	905 81	3,262 83
September .....	08	25 91	72 31	1,111 79	873 96	369 47	2,355 24
October .....	50	2 00	9 75	839 29	864 63	281 31	1,985 23
November .....	75	25	6 25	824 04	849 38	266 31	1,939 73
December .....	00		5 00	808 20	634 68	239 22	1,682 14
1877.							
January .....				729 79	482 50	191 97	1,404 26
February .....				726 29	457 50	191 97	1,375 76
March .....		2 00	2 00	714 79	488 75	162 47	1,316 01
April .....		25	25	714 79	482 00	160 22	1,307 01
May .....				714 79	404 25	114 22	1,233 26
June .....	25		5 25	711 04	843 75	112 47	1,167 26
July .....				711 04	806 50	112 47	1,130 01
August .....				709 79	806 50	112 47	1,128 76
September .....				705 79	298 00	107 22	1,111 01
October .....				676 79	287 25	96 72	1,060 76
November .....			1 25	145 64	285 25	96 72	527 61
December .....				128 89	271 75	96 72	491 86
			\$12,867 88				

MONTH.	AMOUNT			BALANCES.				
				"Gains" being added to and "Rates Rec'd" and "Losses" subtracted from "Amount of assessments due."				
1876.	1st Dist.	2d Dist.	Total.	1st Dist.	2d Dist.	3d Dist.	4th Dist.	Total.
July .....	43,935 50	59,839 82	782 08	36,516 73	50,082 25	44,339 49	44,059 50	174,947 97
Aug .....	36,516 73	50,038 45	405 15	34,557 96	47,732 47	40,296 24	42,410 25	164,996 92
Sept .....	34,567 96	47,732 47	504 88	33,288 86	44,982 32	38,298 59	39,546 80	156,116 57
Oct .....	33,288 86	44,982 32	1,334 31	27,011 14	37,595 52	32,125 25	32,299 30	129,031 21
Nov .....	27,011 14	37,595 52	454 73	25,206 92	35,476 52	29,868 80	30,697 48	121,249 72
Dec .....	25,206 92	35,476 52	839 41	23,322 63	32,414 02	26,965 75	27,787 51	110,489 91
1877.								
Jan .....	23,322 63	32,414 02	1,596 68	16,368 64	22,759 52	19,186 50	20,249 26	78,563 92
Feb .....	16,368 64	22,759 52	681 22	14,121 52	20,481 27	15,710 00	17,576 01	67,888 80
March .....	14,121 52	20,481 27	861 75	12,463 52	17,042 52	13,663 50	15,087 12	58,856 66
April .....	12,463 52	17,042 52	1,755 90	6,142 53	8,963 45	7,744 50	7,811 75	30,662 23
May .....	6,142 53	8,963 45	508 10	4,658 68	6,922 95	5,956 50	6,146 25	23,684 38
June .....	4,658 68	6,922 95	609 69	3,228 53	5,041 95	3,884 25	4,119 60	16,274 23
July .....	3,228 53	5,041 95	845 04	1,413 78	1,954 20	1,359 00	1,458 75	6,185 73
Aug .....	1,413 78	1,954 20	107 09	1,044 45	1,157 95	1,088 75	895 25	4,186 40
Sept .....	1,044 45	1,157 95	45 82	846 45	978 20	1,013 50	776 50	3,614 65
Oct .....	846 45	978 20	70 25	725 20	688 70	899 25	599 75	2,912 90
Nov .....	725 20	688 70	27 50	693 85	639 20	749 00	561 75	2,643 80
Dec .....	693 85	639 20	13 65	627 60	604 95	716 50	503 25	2,452 30
			\$11,443 25					

NT OF 1876 AND 1877.

.....	\$208,876 50	
.....	11,443 25	\$220,319 75
.....	\$211,867 84	
.....	6,000 21	217,867 45
.....		22,452 30



ELEVENTH ANNUAL REPORT  
OF THE  
**FIRE COMMISSION**

TO THE  
COMMON COUNCIL OF THE CITY OF DETROIT,  
TOGETHER WITH THE  
Reports of Chief Engineer, Superintendent of Telegraph, Fire Marshal, Etc.,  
FOR THE  
YEAR ENDING JANUARY 31, 1878.



DETROIT, MICH.  
WM. A. SCRIPPS, PRINTER, ARCADE BUILDING.  
1878.



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# ELEVENTH ANNUAL REPORT

## OF THE

# FIRE COMMISSION.

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OFFICE OF THE FIRE COMMISSION, }  
DETROIT, February 20th, 1878. }

*To the Honorable the Common Council:*

GENTLEMEN—The Fire Commission have the honor to submit, herewith, for the consideration of your honorable body, their eleventh annual report, embodying in detail an account of expenditures made for the maintenance of the Department and water supply, together with reports from the Chief Engineer, Superintendent of Telegraph, Supply Agent and Fire Marshal, as required by law.

**Organization.**—The force of the Department comprises the following men :

**OFFICERS—**

- One Chief Engineer.
- One Assistant Chief Engineer and Supply Agent.
- One District Engineer and Superintendent of Telegraph.
- One Fire Marshal.
- \*One Department Surgeon.
- \*One Veterinary Officer.

**FORCE—**

- \*Eight Company Foremen.
- Eight Company Engineers.
- Seven Company Assistant Foremen.
- Nine Company Firemen.
- Nineteen Company Drivers.
- Two Chemical Company Assistant Foremen.

Four Chemical Company permanent Pipemen.  
Two Hook and Ladder Company Foremen.  
Two Hook and Ladder Company Assistant Foremen.  
One permanent Pipeman.  
Two permanent Laddermen.  
One Steersman.  
Two Supply Wagon Drivers.

\*Twenty-three Pipemen.

\*Twelve Laddermen.

Nine Watchmen.  
One Telegraph Assistant.  
One Hydrant man.

This force is used to man and equip the following apparatus, viz :

Eight Steam Fire Engine companies, equipped.

Two Chemical Engine companies, equipped.

Two Hook and Ladder companies, equipped.

Two Supply Wagons, equipped.

IN RESERVE.—One first-class Steam Fire Engine.

One second-class Steam Fire Engine, maintained in condition for instant service.

Two Hose Carts, equipped, maintained in condition for instant service.

The foremen and pipemen of Engine Companies, and laddermen of Hook and Ladder Companies, are variously employed, otherwise than in the service of the Department during the day. They are required to respond to every alarm of fire, and for the purpose of notifying them, the bells upon the engine houses are struck. At night, the rules compel these men to report promptly at their company quarters by 10 o'clock, and they cannot absent themselves, day or night, without leave of absence, properly executed, by the commanding officer. As a large portion of the expense of the Department is occasioned by the pay rolls, this transient system has been the means of a great saving to the city. While under this plan, in the day time, when the lesser number of alarms occur, the Department is left without a portion of its members ready for instant call, yet at night the Department has what may be considered a permanently employed force. This plan has worked advantageously in the past, and has been continued on account of its economy.

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\*Those indicated by a star do not devote their whole time to the Department.

The great increase in the size of the city, and the constantly increasing number of alarms since the inauguration of this method, has revealed its defects, and in a number of instances where fires have occurred in the day time, the help of citizens has been found necessary to work the apparatus pending the collection of the transient force from their places of employment.

Great care has been exercised in the appointment of these men, who are compelled to undergo medical examination, and who are subjected to every discipline that has a tendency to promote efficiency, or that this transient system will admit. But the same number of permanently employed men would increase the effectiveness of the Department to a wonderful degree, and enable the institution of such drill, instruction and discipline, as are found in the soldier firemen of Europe, whose skill makes effective the clumsy apparatus with which they have to work.

If this Department were manned with a body of selected men, permanently employed, drilled and carefully instructed, having the knowledge that their positions were secure to them during good behavior, and that promotion would surely reward good conduct and ability, much more effective work could be shown than at present. It is true, that, under the existing circumstances, these ideas have been carried out as far as possible, and we have to record our satisfaction with the efficient, prompt and courageous manner the officers and men of the Department have performed their difficult and arduous duties during the year.

The subject of making the Department a permanently paid one, has received the serious consideration of this Board, and if it were possible to secure this result without additional expense, by reducing the number of men, as at present, it would have been done. As it is, however, the force is as small as it could be safely, even if entirely permanent.

In the interests of economy it has been decided not to make this change at present; but the constant increase in the size of the city will compel this addition at some early period in the future.

It is not just to gauge the service required of the employees of the Department with that of men pursuing ordinary avocations. The time of the fireman is never his own; his service and attendance are

required every hour, day and night, throughout the three hundred and sixty-five days in the year; he is subjected to the severest discipline. It is essential that he should exercise intelligence in the performance of his duties, and courageously endure exposure and risk life and limb; it is requisite that a better order of men should fill such positions. This Board attributes the present efficiency of the Department largely to the fact that a greater number of the members of the force holding responsible positions have been in the service of the Department for a number of years, and are thoroughly posted in their duties, which, in a calling requiring prompt and instantaneous action and good judgment, is most important. This Board have taken into consideration the prevailing depression in business, and have felt the necessity of curtailment in expenses in every particular. With this end in view, the salaries of a portion of the force have been reduced to what is considered should be the lowest limit, and we deem that to make any further reduction at present would be a positive injury to the efficiency of the Department.

**Equipment.**—During the year a new steam fire engine has been purchased to replace old Engine No. 7, which had been in active service for thirteen years, and which, besides being of small capacity, was too much worn to remain in active service any longer in the important position it occupied. An improved double pump apparatus has taken its place.

The Committee on Apparatus have had a sufficient amount of repairs made to the old engine to put it in serviceable condition, and it is now maintained as an extra engine, ready for instant use if exigency should require, or to take the place, temporarily, of other engines needing slight repair, so that the equipment of the Department may be maintained intact at all times.

Engine No. 6, though of good capacity, was constructed in an old style, in a manner which interfered seriously with its convenient operation. A straight frame prevented the wheels from turning under, and this was so great a disadvantage that it often delayed operations at fires. The Committee on Apparatus concluded it necessary that some alteration should be made, which was economically accomplished under the personal direction of the Chairman of the Committee. Although the engine has been in active service for ten years, it

is now, in point of efficiency, one of the best in the Department, and capable of future service for a similar length of time.

It has been made an object to keep the apparatus of the Department in the most complete and efficient state. No needed repair is neglected. So much is dependent upon it, and the apparatus generally is subjected to such violent usage, that this task has required great vigilance on the part of those having this important matter in charge. We are enabled to report the apparatus in the best condition, and that during the year no extensive outlay will be necessary, unless caused by accident.

A much needed four wheel Hose Carriage has been procured and placed in Engine House No. 4. The Department is now entirely supplied with these improved carriages, with the exception of Engine Company No. 7, for which it is intended to provide during the coming year.

The Department is now almost entirely supplied with first-class, reliable hose, and is in such a condition in respect to this most important feature, as we have not been able to report for many years. It will be essential to make some additions during the year.

Ladder service is that first required. The importance of having ladders promptly on the ground in the event of fire, is such, that the successful workings of the Department depend upon it. At present two Hook and Ladder Companies protect the entire city.

The basis upon which other Departments are organized throughout the country, is that of one hook and ladder apparatus to every three engine companies. This Department has not this quota, and experience has most clearly demonstrated that it is very necessary.

The Board have a light truck which, as soon as practicable, it is intended to place in service with a small company in the northern portion of the city, during the coming year. We regard this addition as very essential. The two existing companies are required to protect the lower portions of the city. Heavy apparatus is necessary, and it is such, as to be difficult to operate with, in the outlying districts, where the streets are unpaved, and the result of a continuance of the present state of things would be, constant injury to horses, delay in reaching fires, as well as positive risk in leaving the lower portion of the city uncovered.



The two chemical engines which have been in service in this Department for two years past, continually demonstrate their usefulness, and have saved thousands of dollars in damage by water.

**Fire Alarm Telegraph.**—This is one of the most indispensable adjuncts of the Department. We are pleased to state that Detroit has one of the best systems in use. It has worked in the most satisfactory manner, considering the liability to accident of such complicated machinery and many miles of wire stretched through the streets of a populous city. Fire alarm telegraph machinery is very expensive. It is covered by patents, and can only be procured at certain places. Owing to this fact as little as possible has been procured, and it is deemed economy to pursue this course until that time when competition, or other causes, have brought this apparatus within reasonable terms. There are several localities in the city that require the protection of the telegraph. When similar requirements to these could no longer be ignored, the want has been supplied. In pursuance of this course, during the year ten new fire alarm boxes have been added to the present number, and as the city increases in size many more will be required. The line which has been in service for a number of years will also receive much needed repair during the ensuing year.

**Horses.**—The improvement contemplated last year in adding another horse to the single ones compelled to draw, alone, the two ton hose carriages, has proved to be a most excellent and economical one, and has aided materially in the increase of promptness.

The accustomed care has been given to the purchase of feed, which has only been made when prices were lowest, and the best could be procured; the result of this procedure has been that the horses of the Department have been supplied with hay, oats, bran, feed and bedding at an expense of 22 cents per day, or \$1.55 per week for each horse.

The Committee had long felt the need of a place to store grain, hay, &c., &c., in time of cheapness, as the barns of the different houses are not of a capacity to hold a supply for an extended period. Accordingly the opportunity was seized, pending the repairs to the barn of Engine House No. 2, to add a building for the storage of feed,

which will enable in the future the purchase of a sufficient stock during periods when prices are lowest.

The Committee have recently been enabled to accomplish a most important improvement.

Among the most prejudicial of the many disadvantageous conditions to which the horses of the Department were subjected in its arduous service, was being compelled to wear the heavy harnesses constantly, without exemption from the pressure, day or night, except during a short period in the morning while being cleaned. This has been the promoting cause of injury and disease. While realized long since, no plan to avoid this defect suggested itself; recently a new invention was brought to the notice of the Committee, by which the harnesses were suspended, by means of cords, over the place the horses assumed at the apparatus, enabling them to remain in their stalls without the harness, and upon alarm, by means of a hinged collar and heames, it could be placed upon the horse and fastened in a shorter time than by the old method. The value of this excellent device was demonstrated by an experiment at one of the engine houses, where the horse upon which it was tested, gained several pounds.

The Board have procured the right to use this invention, and the present harnesses of the Department can be altered, without much expense, to the new method. The use of this invention, together with the present system of facing the stalls toward the apparatus, with doors opening by electricity, and having the horses trained as they are throughout the Department, enables hitching up, ready to leave the house, in less than seven seconds—a time much shorter than the time in which an alarm can be received; and the next improvement will necessarily have to be some method of receiving the alarm more quickly than at present.

**Buildings.**—The buildings of the Department, with few exceptions, are in good condition.

Extensive repairs have been made during the year in some instances. The proper drying of the hose required that the interior of the towers should be sheathed. In conducting these repairs it was found necessary to replace the foundations of the towers of Engine

Houses Nos. 1 and 5, and make other repairs not contemplated in the estimates. New floors and the alteration of the stalls were made in Hook and Ladder house, No. 2. Storehouses A and B were placed in condition, and the Committee deemed it expedient to paint some of the houses at a time when the work, so much required, could be accomplished so cheaply.

The houses of the Department were never in so good condition. Their occupancy constantly by companies of men, horses and heavy machinery, makes repair necessary more often than ordinary. The floors, particularly, are subjected to such heavy usage, that they soon wear out. It will be necessary to replace those of one or two of the houses during the year ensuing.

**Water.**—In other cities it is not the rule to require the improvement and repair of the water supply to be made at the expense of the Fire Department; but the responsibility having been devolved upon this Board, they have endeavored to give it that attention its importance demands. It is a matter of pride to the Committee having this work in charge, that there are no better protected cities in the country, in this respect, than Detroit, and the work having all been done, from year to year, at periods when it could be most advantageously accomplished, has been achieved with economy, and without burdensome taxation or debt.

The Committee have met, at the outset, with some serious difficulties. As the city has increased in size, from year to year, there has arisen a corresponding necessity for hydrants, or reservoirs, in new localities. Without adequate water supply the labors of the Fire Department amount to nothing, and the absence of this auxilliary, or its inefficiency, has occasioned more disastrous fires in other cities, than any other one cause, and it is only a question of economy, whether or not, expenditure enough should not be made at once, to place this essential adjunct beyond peradventure.

Citizens living in districts unprotected, who are taxed in common with other citizens, claim the right to the same protection, and it is difficult to allow any question to interfere with the justness of these claims.

It has been the policy of this Board to answer such claims at the earliest practicable moment. It has been the constant endeavor of the Committee to accomplish the work cheaply and at the most advantageous periods. Instead of waiting until the pipe was laid by the Water Board and the street paved, the Committee have promptly followed all the operations of that Board when laying new water pipe, and have placed hydrants then and there, where needed, at a time unquestionably when the work could be most cheaply accomplished. A pursuance of this policy, while undoubtedly for the best interests of the city, had made it difficult, not only to regulate expenditure, but to estimate correctly as to the needs; the operations of this Board being of necessity governed by those of the Water Commission.

The Committee having this responsible interest in charge are able to state that at present there is no place in the city where the water pipes are adequate to supply a hydrant, that is not fully protected. It is not only the aim but the duty of this Board to keep the water supply for fire purposes in this condition. The Fire Commission are under many obligations to the Water Board for the courteous reception with which their requests have been entertained, and a disposition to oblige which has always characterized their intercourse with this Commission.

Great improvement has been effected in the water supply during the past year.

The following is a summary of what has been accomplished, detail of which appears hereinafter.

## RECAPITULATION.

Water Extension and Repairs During the Year Ending  
January 31, 1878.

Iron hydrants placed in new locations.....	61	
Wooden box hydrants in new locations.....	9	
Total new locations.....	—	70
Iron hydrants used to replace broken ones.....	16	
Wooden box hydrants replaced by iron hydrants.....	27	
Total number of iron hydrants used.....	—	113
Iron hydrants repaired and replaced.....	22	
Wooden box hydrants repaired and replaced.....	12	
Total number repaired 5.....	—	34
Hydrants drained during the year.....		121
Hydrants abandoned and removed.....		14
Reservoirs constructed during the year.....		3
Reservoirs repaired during the year.....		29
Reservoirs abandoned during the year.....		2
Iron covers placed on reservoirs.....		22
Number of stop valves used during the year.....		32
Whole number of hydrants per last report.....	606	
Abandoned during the year.....	14—	592
Added during the year.....		70
Whole number now in use.....		662
Number of reservoirs per last report.....	171	
Abandoned during the year.....	2—	169
Added during the year.....		3
Total now in use.....		172

**Fires and Losses.**—The Department has been called out 242 times during the year, involving a loss of \$238,832. Of this number of alarms, 40 were occasioned by incendiaries, and 37 by defective chimneys, the two most prolific sources, which, with 20 alarms occasioned by lamp explosions, constitute nearly one-half the causes. All of which could be prevented by the enforcement of proper regulations. There have been no very large fires, but numerous ones of intermediate size, whose losses aggregate very high, creating an excess over the amount of loss last year of \$36,399.

**Fire Marshal.**—The Board, upon assuming control of the Fire Department, found that they had entered upon the responsibility

of keeping, if possible, devastating fires from the city, without having control of all the means. Despite of long experience in fire matters, and the strictest endeavor to bring the Department up to an efficiency sufficient to attain this result, study into causes and effects, the ideas gleaned from the experiences of other cities, with whom there has been a constant interchange of reports, revealed the fact that it was no question whether to exercise some care about the prevention of fire, or, ignoring such means, to attempt to cover a deficiency in this regard by constantly increasing the size of the Fire Department, if it were possible to accomplish it in this way. The latter idea had been the one upon which these matters were conducted. Meager and ill arranged ordinances existed regarding fire limits, construction of buildings and chimneys, hoistings, storage of inflammable materials, the detection of crime, etc., etc. But through lack of completeness and systematic enforcement, the city was, in point of fact, deprived of any good that might accrue from such measures, and up to nearly the present period there were few cities in the country which, in other respects, could compare with Detroit, that showed such careless and incendiary construction. Every year the homes of the working people were destroyed in great numbers because there existed no means of compelling reckless contractors to construct chimneys properly. The wealth of the city was decimated annually by incendiarism, and that crime ran rampant because there was no check. The effect of such a policy will be very apparent by mentioning the facts : that while in one year in the large city of New York, only twelve fires were caused by incendiaries ; during the same year Detroit suffered from forty. In one year the Fire Department was called out 219 times in the city of St. Louis, while the same year the Department of Detroit, a city one-third the size of St. Louis, was called out 232 times. Both of the cities mentioned enforce preventative regulations, and numberless instances of this kind could be repeated.

If ordinary fires, only, prevailed in Detroit, a Department one-third the size of the present one might be sufficient for its needs ; but a large force, at a great expense, must be kept in readiness for any exigency which is likely to occur in a city where, during the first half century of its existence, there has been an almost total absence of regulations regarding the prevention of fire.

This Board felt that it was time that these matters received consideration, and that the future welfare of the city imperatively demanded it; that it was in the interests of economy, and if ignored, the Department would have to be increased from year to year to such an extent as to result in the most burdensome taxation; that it was common sense, as shown by the experience of other cities and the admirable code of laws relating to the subject, in civilized Europe. The Board felt it their duty to secure a reform. With this end in view, over five years ago, communications were addressed to the Common Council calling attention to this subject, and during that period, up to last year, every effort was made to secure some recognition of the important subject, generally without avail.

Statistics were furnished, and every argument was used to convince, that preventative measures would be of the greatest public benefit; that instead of being the least burdensome they would prove to be the greatest saving to all classes of citizens, and that it would be wisdom to secure measures that older and more experienced municipalities had been led to adopt. These disinterested efforts on the part of this Board in behalf of the best interests of the city were received with but little regard, and often without courtesy.

Finally, at the last session of the State Legislature, a gentleman of great experience in these matters, introduced a bill creating the office of Fire Marshal, in the city of Detroit, modeled after the plan of other cities. It created an office the duties of which were to attend to the enforcement of such ordinances as the honorable Council might make.

This officer was placed under charge of this Board, and it may be stated here that, had their inclinations been considered, anxious as we were to secure this improvement, this Board would have been unwilling to assume this additional, and not at all pleasant responsibility, and would much have preferred to have the office separate from this Department, as it is in other cities. This Board are not desirous of assuming any more responsibility. To lessen this feeling, was their object in seeking to secure the enforcement of reasonable regulations tending to the prevention of fire.

Obedient, however, to the requirements of the new law, Mr. George Dunlap was nominated Fire Marshal, and confirmed by your

honorable body, and quite recently ordinances have been adopted enabling the enforcement of measures that will eventually be of great service and saving to the city.

The Fire Marshal is enabled to supervise all chimneys hereafter constructed in the city ; as defective chimneys are the cause of nearly one-third of the fires that occur, and annually swept thousands of dollars from the accumulations of the poorer class of citizens, the benefit of the office in this one particular can be appreciated. His duties, in addition, require the Fire Marshal to supervise all buildings erected, investigate fires, and enforce ordinances generally relating to the prevention of fire. All his actions are made by law subject to the supervision of this Board. A small fee is required upon the issue of building permits. It is intended that the income from this source will render the office self supporting, and which, while it is a slight tax, will prove a saving to the city beyond any computation.

**Finance.**—The expenditures of this Board for maintaining the Department have been made with the utmost care.

Citizens generally, are taxed for the support of this indispensable branch of the municipal government, and it would seem but justice that all portions of the city should receive adequate protection. The size of the Department has been, of necessity, increased every year, for the past few years, in order to keep pace with the rapid growth of the city, and to meet such undeniable demands, and it has been the constant endeavor of the members of this Board, having the same interest with other citizens as tax payers in keeping taxation to the lowest possible limit, to prevent a corresponding increase in the appropriations. It has been the endeavor to keep the estimates as low as possible, and to keep expenditures within their limit. Particular attention has been given to the purchasing of supplies ; feed has been purchased when the market was lowest, contracts for coal have been made at the most advantageous period, and the purchase of all the numerous supplies requisite for the maintenance of the Department have been made with the utmost regard to economy.

A faithful pursuance of this policy has not only enabled us to accomplish this result, but we have succeeded, while the Department has largely increased in size, in materially reducing our estimates.



The greater portion of the expenses of the Department consists in the pay rolls.

The total expenditure of the Department for the past year has been \$102,750.94, of which amount \$67,993.93 constitutes the amount for pay rolls, and with amounts expended for horse feed, shoeing, harness repairs, apparatus repairs, coal, gas, and general supplies, makes a total expense of \$84,956.38 for running expenses during the year. \$13,331.63 has been expended for new apparatus to replace that worn out, and for hose horses, &c., &c. \$1,139.40 has been expended for the repair and improvement of the Fire Alarm Telegraph, and the sum of \$3,323.53 was devoted to the repair of the barn of Engine House No. 2, with an addition for the storage of hay, grain, &c.

Besides these amounts devoted to the Department, \$9,308.54 has been expended for hydrants, reservoirs, and the improvement and extension of the water supply, details of which are hereinafter presented at length, of which the following is a general summary :

Running expenses.....	\$ 84,956 38
Fire Alarm Telegraph.....	1,139 40
Apparatus, hose horses, &c.....	13,331 63
Addition to Engine House No. 2.....	3,323 53
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Total for Department.....	\$102,750 94
For water supply.....	9,308 54
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Total expenditure.....	\$112,059 48

The taxes apportioned for the maintenance of the Department are not paid to this Board, but are retained in the city treasury. All expenditures are made by warrant on the same.

Pursuant to our usual practice, we have the honor to submit herewith a list of all warrants drawn, stating the number, date, to whom paid, for what paid, and the amount, together with detail of expenditure for each item and for each Company of the Department.

## FEBRUARY.

Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
12	1	1	Cairns & Bros.....	Badges.....	\$8 49
	2	2	Detroit Stove Works.....	Grate castings, etc.....	26 90
	3	3	Joseph Demay.....	Labor on telegraph, etc.....	72 00
	4	4	T. H. Hinchman & Son.....	Chemicals for battery, etc.....	392 32
	5	5	Sundry Persons.....	Hay and oats bought on market..	123 50
	6	6	M. Eastwell.....	Horse shoeing bill.....	6 88
	7	7	L. Whittle.....	Horse shoeing bill.....	27 00
	8	8	Stebens and Shaules.....	Horse shoeing bill.....	5 65
	9	9	C. W. Grace.....	Horse shoeing bill.....	7 49
	10	10	Henry Morgan.....	One bay horse.....	200 00
19 Mar.	11	11	P. Harvey.....	Injury to vehicle.....	25 00
5	12	12	Kelly Lamp Works.....	Lantern and globes.....	7 65
	13	13	A. B. Hinman & Co.....	Kerosene oil.....	20 28
	14	14	E. A. Kirby.....	Brooms.....	7 00
	15	15	W. S. Penfield.....	Stove fixtures.....	17 05
	16	16	Richard Walsh.....	Sundry plumb'g and tele'h rep'g	14 39
	17	17	W. H. Causland & Son ..	Sundry building repairing.....	11 08
	18	18	Samuel Hawman.....	Sundry repairing.....	13 46
	19	19	Hargreaves Mnf'g Co.....	Frames for rules, etc.....	22 60
	20	20	Jas. E. Pitman.....	Coal.....	198 25
	21	21	Jas. Dunebacke.....	Harness repairing.....	7 85
	22	22	Geo. Latscha.....	Harness repairing.....	4 85
	23	23	T. W. Leonard.....	Horse shoeing bill.....	19 07
	24	24	C. W. Grace.....	Horse shoeing bill.....	4 74
	25	25	Stebens & Shaules.....	Horse shoeing bill.....	6 73
	26	26	M. Eastwell.....	Horse shoeing bill.....	7 94
	27	27	McNurney & Shay.....	Horse shoeing bill.....	17 13
	28	28	D. Fitzgerald.....	Horse shoeing bill.....	9 00
	29	29	Pay roll washing.....	Month of February.....	55 96
	30	30	Pay roll department.....	Month of February.....	5,635 65
Total for February.....					\$6,975 91

## MARCH.

12	31	31	Amoskeag Mfg Co.....	Apparatus parts.....	\$138 44
	32	32	John Hopkin.....	Apparatus repairing.....	134 30
	33	33	T. H. Hinchman & Sons.....	Chemicals and supplies.....	59 95
	34	34	Allison & Hilbert.....	Harness and repairs.....	13 55
	35	35	Perry, Wendell, Fay & Co..	Uniform cloth.....	133 80
	36	36	Daily Post Co.....	Printing blanks.....	32 75
	37	37	D. A. Ross & Co.....	Kindling.....	3 72
	38	38	T. S. Deming.....	Subscription Post.....	5 00
	39	39	Sundry persons.....	Hay, oats and straw from market	51 70
	40	40	John Stringer.....	Hay.....	138 40
19	41	41	Richmond & Backus.....	Stationery and blanks.....	59 30
	42	42	Pay roll labor.....	Water supply.....	19 50
	43	43	Detroit Locomotive Works.	Engine repairs.....	36 23
	44	44	N. Cain.....	Building repairing.....	10 90
	45	45	John Stringer.....	Hay.....	12 30
April 2	46	46	O. H. Crawford.....	Wood.....	6 50
	47	47	James E. Pittman.....	Coal.....	271 00
	48	48	Calvert Lithographing Co.	Blank certificates.....	75 00
	49	49	T. W. Leonard.....	Horse shoeing bill.....	21 05
	50	50	Stebens & Shaules.....	Horse shoeing bill.....	8 73
	51	51	M. Eastwell.....	Horse shoeing bill.....	5 63
	52	52	D. Fitzgerald.....	Horse shoeing bill.....	15 25
	53	53	Rivard & Suprenant.....	Horse shoeing bill.....	21 43
	54	54	Pay roll washing.....	Month of March.....	67 34
	55	55	Pay roll department.....	Month of March.....	5,640 65
Total for March.....					\$6,980 92

## APRIL.

Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
9	56	56	D. D. Miller.....	Lanterns.....	\$35 53
	57	57	A. B. Hinman & Co..	Kerosene oil.....	12 25
	58	58	C. W. Grece.....	Horse shoeing bill.....	6 87
	59	59	McNurney & Shea.....	Horse shoeing bill.....	10 00
	60	60	John Woodley.....	Horse shoeing bill.....	15 89
	61	61	A. G. Terry.....	Harness repairing.....	5 55
	62	62	P. Hayden.....	Harness supplies.....	37 17
16	63	63	Pay roll laborers.....	Water supply and telegraph, etc	82 63
	64	64	Water commission.....	Pipe bends and thimbles.....	253 12
22	65	65	D. B. Langford.....	Trees engine house No. 9.....	12 00
	66	66	Galvin Bros.....	Battery zincs and repairing.....	198 79
	67	67	David Knapp.....	Repairing derrick.....	7 50
30	68	68	Benj. Chillson.....	One grey horse.....	180 00
	69	69	Sundry persons.....	Hay, oats and straw from market	80 76
	70	70	T. H. Hinchman & Sons.....	Chemicals for battery, etc.....	303 21
	71	71	Detroit Gas Light Co.....	Gas.....	143 40
	72	72	Jas. D. Baker.....	Blank book.....	7 50
	73	73	Chas. Roulo.....	One bay horse.....	100 00
May					
7	74	74	John Stricker.....	Oats.....	111 44
	75	75	J. O. Brine.....	Turfing.....	15 00
	76	76	Stephen Dubois.....	Repairing roof.....	9 75
	77	77	D. Carter, agent.....	Freight on hydrants.....	26 37
	78	78	Jas. E. Pittman.....	Coal.....	160 50
	79	79	T. W. Leonard.....	Horse shoeing bill.....	10 93
	80	80	D. Fitzgerald.....	Horse shoeing bill.....	13 63
	81	81	C. W. Grece.....	Horse shoeing bill.....	4 53
	82	82	Stebens & Shaules.....	Horse shoeing bill.....	16 69
	83	83	M. Eastwell.....	Horse shoeing bill.....	3 77
	84	84	John Woodley.....	Horse shoeing bill.....	8 13
	85	85	Pay roll washing.....	Month of April.....	58 86
	86	86	Pay roll labor.....	Month of April water supply.....	118 42
	87	87	Pay roll department.....	Month of April.....	5,599 60
Total for April.....					\$7,647 61

## MAY.

14	88	88	J. E. Ingersol.....	Two horses.....	\$450 00
	89	89	Perry, Wendell, Fay & Co	Uniform cloth.....	119 17
	90	90	Daily Post Co.....	Printing blanks, etc.....	23 50
	91	91	Jno. Flowers & Bros.....	Stop valves.....	74 50
	92	92	R. & F. Walsh.....	Hydrant repairing, etc.....	27 73
	93	93	James Gilbert.....	Roofing.....	86 72
	94	94	Simon Gerber.....	Wiping rags.....	21 92
21	95	95	F. Schreck.....	Grading.....	10 00
	96	96	A. F. Holmes.....	Building repairing.....	97 67
	97	97	Pay roll labor.....	Water supply, etc.....	167 50
	98	98	Samuel Hawman.....	Sundry building repairing, etc.....	54 09
	99	99	John Hopkin.....	Apparatus repairing.....	78 00
100	100	100	Sundry persons.....	Bills freight, etc.....	47 25
101	101	101	D. E. Owen & Co.....	Harness snaps.....	21 00
102	102	102	A. B. Hinman & Co.....	Kerosene oil.....	11 64
28	103	103	Schulte & Brother.....	Soft soap.....	4 00
	104	104	Sundry persons.....	Oats, hay, etc., from market.....	247 56
June.					
4	105	105	G. C. Weatherbee & Co....	General supplies.....	22 80
	106	106	J. E. Pittman.....	Coal.....	200 25
	107	107	Detroit Free Press Co.....	Printing annual report.....	166 50
	108	108	T. H. Hinchman & Sons....	Oil and general supplies.....	120 17
	109	109	H. A. & S. G. Wight.....	Lumber.....	157 70
	110	110	R. D. Wood & Co.....	Forty-two hydrants.....	1,843 45
	111	111	Sundry persons.....	Hay and oats from market.....	297 27

Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
4	112	112	A. Sheeler.....	Harness and repairs.....	\$84 20
	113	113	Allison & Hilbert.....	Harness and repairs.....	95 68
	114	114	T. W. Leonard.....	Horse shoeing bill.....	22 50
	115	115	M. Eastwell.....	Horse shoeing bill.....	6 52
	116	116	D. Fitzgerald.....	Horse shoeing bill.....	15 50
	117	117	Harmer & McMahon.....	Horse shoeing bill.....	33 96
	118	118	Pay roll washing.....	Month of May.....	65 91
	119	119	Pay roll labor.....	Water supply, etc.....	97 00
	120	120	Pay roll department.....	Month of May.....	5,588 17
Total for May.....					\$10,359 83

## JUNE.

11	121	121	Blake Hose Co.....	Play pipes.....	\$45 00
	122	122	H. D. Edwards & Co.....	1,600 feet hose.....	1,683 84
	123	123	Eugene F. Phillips.....	Wire for telegraph.....	135 79
	124	124	Adams & Fergusson.....	Lumber.....	50 00
	125	125	Geo. Kittleberger.....	Bran.....	29 80
	126	126	Stebens & Shaules.....	Horse shoeing bill.....	7 00
18	127	127	Geo. Latscha.....	Harness repairing.....	3 35
	128	128	Jas. Dunnebecke.....	Harness repairing.....	15 25
	129	129	John Stringer.....	Hay.....	65 56
	130	130	L. A. Smith & Co.....	Sheeting, etc.....	34 50
	131	131	A. B. Hinman & Co.....	Kerosene Oil.....	10 10
	132	132	Pay roll labor.....	Water supply, etc.....	201 00
25	133	133	Henry Davis.....	Exchange of horse.....	25 00
	134	134	Sundry persons.....	Sundry freight, etc.....	20 38
	135	135	S. M. Stewart.....	One four wheel hose carriage.....	513 00
	136	136	Great Western Railway.....	Freight on same.....	12 00
	137	137	H. D. Edwards & Co.....	1,600 feet of hose.....	1,600 00
	138	138	Thos. Hill.....	Oil cups.....	72 00
July.	139	139	Manchester Locomo. W'ks	One steam fire engine.....	4,000 00
2	140	140	Galvin Bros. & Co.....	Brass hooks for telegraph, etc.....	34 32
	141	141	Perry, Wendell, Fay & Co	Uniform cloth.....	121 68
	142	142	T. H. Hinchman & Sons....	Paint.....	25 60
	143	143	Sundry persons.....	Hay, oats, etc., from market.....	76 54
	144	144	Union Line.....	Freight on hydrants.....	51 52
	145	145	Geo. H. Russell.....	Iron pipe, bends, etc.....	82 90
	146	146	R. & F. Walsh.....	Hydrant drains, etc.....	18 26
	147	147	H. A. & S. G. Wight.....	Lumber.....	120 65
	148	148	Geo. W. Gilbert.....	Roofing.....	5 00
	149	149	D. E. Owen & Co.....	Harness snaps.....	14 50
	150	150	Allison & Hilbert.....	Harness repairing.....	8 00
	151	151	T. W. Leonard.....	Horse shoeing bill.....	18 13
	152	152	Stebens & Shaules.....	Horse shoeing bill.....	11 83
	153	153	D. L. Hickey.....	Horse shoeing bill.....	8 00
	154	154	Pay roll washing.....	Month of June.....	65 82
	155	155	Pay roll laborer.....	Water supply, etc.....	192 75
	156	156	Pay roll department.....	Month of June.....	5,611 78
	157	157	Samuel Hawman.....	Building and repairing.....	172 13
Total for June.....					\$15,239 98

## JULY.

Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
0	158	158	Farrand, Williams & Co.....	Oils and chemicals.....	\$223 29
	159	159	Dean, Brow & Godfrey.....	Glass.....	18 32
	160	160	Ferguson, McKay & Co....	Shut off valves.....	162 00
	161	161	R. D. Wood & Co.....	Forty hydrants.....	1,585 32
	162	162	Detroit Gas Light Co.....	Gas.....	89 60
	163	163	Daily papers.....	Subscription.....	16 00
	164	164	Abbott & Ketchum.....	Matting, etc.....	11 49
	165	165	Jas. E. Pittman.....	Coal.....	59 50
	166	166	Geo. Hendrie.....	Horse bedding.....	24 00
	167	167	Sundry persons.....	Hay, oats and bed'g from market	54 80
	168	168	Robt. Harmor.....	Horse shoeing bill.....	20 53
	169	169	D. Fitzgerald.....	Horse shoeing bill.....	13 50
16	170	170	Gamewell & Co.....	Ten fire alarm boxes, etc.....	1,766 07
	171	171	Pay roll labor.....	Water supply.....	201 14
23	172	172	N. Cain.....	Repairing tools.....	16 20
	173	173	J. P. Benoit & Bro.....	Hydrant and Engine repair'g. etc	230 61
	174	174	Wm. Pervis.....	Sundry rep's, water and teleg'h.....	29 74
	175	175	John Hopkin.....	Apparatus repairing.....	137 37
	176	176	Belt and Leath. Stuffing Co	Horse dressing.....	125 00
	177	177	Standard Bros.....	General supplies.....	72 70
	178	178	Mrs. M. Sawney.....	Sewing on bedding.....	20 06
	179	179	Kirchburgh & Co.....	Chairs.....	3 50
	180	180	W. S. Penfield.....	Stove fixtures, etc.....	10 50
	181	181	D. A. Ross & Co.....	Lumber.....	15 05
	182	182	Jas. Dunnebacke.....	Harness repairing.....	15 03
	183	183	Sundry persons.....	Bills, freight, etc.....	12 66
	184	184	Jas. D. Baker.....	Binding.....	4 00
	185	185	Richmond & Backus.....	Printing and stationery.....	27 25
	186	186	Wm. H. McCausland & Son	Building repairing, etc.....	71 11
	187	187	Patrick Dee.....	Floor H. and L. House No. 2.....	78 74
	188	188	Wm. M. Dwight.....	Lumber for stalls.....	13 40
	189	189	Byram, Nuppenau & Co.....	Lumber.....	5 19
	190	190	Brand, Humphrey & Co.....	Paint and glass.....	5 27
	191	191	Jas. Parkes.....	Stall posts.....	4 00
30	192	192	P. Hauley.....	One brown horse.....	175 00
	193	193	Sundry persons.....	Hay and oats from market.....	89 54
	194	194	Great Western Railway.....	Freight on wagon.....	8 00
	195	195	D. P. Work.....	Stationery.....	4 05
	196	196	Detroit Electrical Works...	Two call bells.....	41 25
	197	197	Pay roll laborers.....	Building repairing.....	68 00
	198	198	Sundry persons.....	Labor painting.....	39 65
	199	199	Geo. W. Gilbert.....	Roofing.....	25 68
	200	200	John Kenan.....	Repairing chimney.....	11 00
Aug. 6	201	201	J. W. Weeks & Co.....	City Directory.....	4 00
	202	202	H. D. Edwards & Co.....	Hydrants rings, small hose, etc...	73 65
	203	203	S. M. Stewart.....	One supply wagon.....	217 00
	204	204	Sundry persons.....	Medical care for injured men.....	29 00
	205	205	Samuel Hawman.....	Repairing towers, etc.....	57 45
	206	206	Hubbard and King.....	Lumber.....	15 00
	207	207	J. Dewey & Son.....	Lumber.....	277 06
	208	208	H. H. Hickmott.....	Carpenter work.....	38 00
	209	209	J. Spear.....	Carpenter work.....	55 00
	210	210	O. H. Crawford.....	Wood.....	6 50
	211	211	R. A. Alger.....	Kindling.....	10 00
	212	212	Jas. E. Pittman.....	Coal.....	37 75
	213	213	Sundry persons.....	Oats from market.....	62 72
	214	214	A. Sheeler.....	Harness repairing.....	7 80
	215	215	Allison & Hilbert.....	Harness repairing.....	73 50
	216	216	A. G. Terry.....	Harness repairing.....	3 95
	217	217	T. W. Leonard.....	Horse shoeing bill.....	12 06
	218	218	D. L. Hickey.....	Horse shoeing bill.....	14 14
	219	219	D. Fitzgerald.....	Horse shoeing bill.....	14 00
	220	220	Stebens & Shaules.....	Horse shoeing bill.....	16 51
	221	221	Robert Harmor.....	Horse shoeing bill.....	15 59
	222	222	Pay roll laborers.....	Water extension.....	167 57
	223	223	Pay roll washing.....	Month of July.....	60 31
	224	224	Pay roll department.....	Month of July.....	5,594 71
Total for July.....					\$12,463 61

## AUGUST.

Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
13	225	225	Geo. H. Russell.....	Iron pipe, etc.....	\$185 72
	226	226	Benj. DeBaptist.....	Whitewashing.....	35 00
20	227	227	John Harding.....	One brown horse.....	175 00
	228	228	Detroit Gas Light Co.....	Gas.....	28 84
	229	229	W. Purves.....	Sundry telegraph work.....	15 35
	230	230	Pay roll labor.....	Water supply.....	178 25
27	231	231	Cosmos Keeler.....	Building repairs.....	75 00
	232	232	Ernst Gercov.....	One bay horse.....	152 00
	233	233	Sundry persons.....	Oats and hay from market.....	34 38
	234	234	H. H. Hickmott.....	Building repairs.....	20 00
	235	235	Sundry persons.....	Bills freight, etc.....	28 51
	236	236	Amoskeag Mngf Co.....	Chain wheel for propeller.....	45 50
	237	237	Perry, Wendell, Fay & Co	Uniform cloth.....	123 48
Sept. 3	238	238	P. McNamara.....	One bay horse.....	180 00
	239	239	Geo. C. Weatherby.....	Sundry supplies.....	12 75
	240	240	Mutual Gas Light Co.....	Gas.....	14 50
	241	241	H. D. Edwards & Co.....	1,000 feet hose.....	1,000 00
	242	242	Benj. DeBaptist.....	Whitewashing.....	38 00
	244	243	Cosmos Keeler.....	Building repairs.....	100 00
	244	244	T. W. Leonard.....	Horse shoeing bill.....	13 44
	245	245	D. L. Hickey.....	Horse shoeing bill.....	7 76
	246	246	Smith & Gregg.....	Horse shoeing bill.....	16 88
	247	247	Stelens & Shaules.....	Horse shoeing bill.....	13 85
	248	248	Harmor & McMahon.....	Horse shoeing bill.....	17 78
	240	249	Pay roll labor.....	Water supply, etc.....	119 62
	250	250	Pay roll washing.....	Month of August.....	59 46
	251	251	Pay roll department.....	Month of August.....	5,594 29
Total for August.....					\$8,285.36

## SEPTEMBER.

10	252	252	John Hopkin.....	Apparatus repairing.....	\$145 85
	253	253	Adams & Furguson.....	Lumber.....	76 45
	254	254	Cosmos Keeler.....	Building repairing.....	198 67
	255	255	Dennis Foley.....	Hauling dirt.....	3 70
	256	256	Union Line.....	Freight on hydrants.....	19 55
	257	257	R. & F. Walsh.....	Hydrant drains, etc.....	45 63
	158	258	Furguson, McKay & Co.....	Stop valves.....	252 75
	259	259	Sundry persons.....	Hay and oats from market.....	60 35
	260	260	Detroit City Railway Co...	Bedding for horses.....	24 00
	261	261	Detroit Gas Light Co.....	Gas.....	19 37
	262	262	M. V. Bently.....	Kerosene Oil.....	10 40
	263	263	Jas. E. Pittman.....	Coal.....	79 00
	264	264	T. H. Hinchman & Son.....	Paint and sundry supplies.....	77 88
	265	265	Sundry persons.....	Oats from market.....	186 55
17	266	266	H. H. Hickmott.....	Carpenter work.....	66 00
	267	267	M. Oliver.....	Plastering.....	59 21
	268	268	Fred. Bamford.....	Painting.....	442 28
	269	269	Pay roll labor.....	Water supply, etc.....	149 94
	270	270	Sundry persons.....	Oats from market.....	161 74
24	271	271	James Battle.....	Expenses to Louisville.....	56 15
	272	272	Brand, Humphrey & Co.....	Painting.....	138 68
	273	273	Julius Hess.....	Plans addition Eng. House No. 2.	42 91
	274	274	Patrick Dee.....	Building repairing.....	107 07
	275	275	J. W. Gubert.....	Roofing.....	62 75
	276	276	Edward C. Knuth.....	Hook and snaps.....	13 60
	277	277	R. D. Ward & Co.....	Ten hydrants.....	400 45
	278	278	Samuel F. Hodge.....	Branch pipes.....	285 29
	279	279			
Oct. 1	280	280	O. H. Crawford.....	Wood.....	6 00
	281	281	Sundry persons.....	Bills lumber, etc.....	33 99
	282	282	Geo. Dunlap.....	Expenses to Chicago.....	21 50
	283	283	M. Limbach.....	Hardware.....	57 99
	283	283	Sundry persons.....	Hay and oats from market.....	208 76

Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
1	284	284	Allison & Hilbert.....	Harness repairing.....	\$15 00
	285	285	T. W. Leonard.....	Horse shoeing bill.....	13 76
	286	286	Stebens & Shaules.....	Horse shoeing bill.....	7 46
	287	287	D. L. Hickey.....	Horse shoeing bill.....	7 63
	288	288	Smith & Grigg.....	Horse shoeing bill.....	14 12
	289	289	Pay roll labor.....	Water supply, etc.....	140 28
	290	290	Pay roll washing.....	Month of September.....	68 05
	291	292	Pay roll department.....	Month of September.....	5,692 46
Total for September.....					\$9,373 22

## OCTOBER.

8	292	292	Mutual Gas Light Co.....	Gas.....	\$12 08
	293	293	Detroit Gas Light Co.....	Gas.....	23 85
	294	294	Jas. E. Pittman.....	Coal.....	80 25
	295	295	J. W. & T. Keith.....	Drain pipe.....	5 00
	296	296	Dean, Brow & Godfrey.....	Painting.....	250 60
	297	297	Saml. Hawman.....	Sundry building repairing.....	157 81
	298	298	E. T. Barnum.....	Wire work, etc.....	30 18
	299	299	Sundry persons.....	Hay and oats from market.....	160 02
	300	300	Robt. Harmer.....	Horse shoeing bill.....	21 59
	301	301	Geo. Latscha.....	Harness repairing.....	11 70
15	302	302	E. C. Skinner.....	Abstract title.....	10 00
	303	303	Detroit Locomotive Works	Engine repairing.....	7 10
	304	304	Pay roll labor.....	Water supply.....	126 00
	305	305	Fred. Bamford.....	Painting.....	72 00
	306	306	Patrick Dec.....	First payment addition No. 2.....	612 00
22	307	307	Benj. De Baptist.....	Whitewashing.....	48 00
	308	308	Waterbury Button Co.....	Uniform buttons.....	11 40
	309	309	W. S. Penfield.....	Stove fixtures.....	19 00
	310	310	Eugene Robinson.....	Surveying.....	12 00
	311	311	H. J. Hill.....	Bath room.....	25 00
	312	312	Sundry persons.....	Hay, oats, etc., from market.....	92 42
	313	313	Peter Copper.....	Hauling dirt.....	41 60
29	314	314	Detroit Electrical Works...	Wire and repairing instruments...	63 06
	315	315	Sundry persons.....	Bill lumber and freight, etc.....	27 80
	316	316	R. D. Wood & Co.....	Sixteen hydrants.....	649 17
	317	317	Union Line.....	Freight on hydrants.....	22 83
	318	318	M. Hanson.....	Wiping rags.....	80 00
	319	319	Patrick Dec.....	Second payment addition No. 2...	443 19
Nov.					
5	320	320	J. C. Deys.....	One bay horse.....	100 00
	321	321	Adams & Fergusson.....	Lumber.....	61 61
	322	322	R. R. Robertson.....	Oak plank.....	51 78
	323	323	H. H. Hickmott.....	Carpenter work.....	40 00
	324	324	S. G. Wight.....	Lumber.....	74 58
	325	325	Batchelder & Long.....	Cut stone.....	83 85
	326	326	Sundry persons.....	Straw from market.....	45 00
	327	327	P. Hayden.....	Blankets and supplies.....	71 00
	328	328	J. Dunnebacke.....	Harness repairing.....	14 60
	329	329	Robt. Harmer.....	Horse shoeing bill.....	23 08
	330	330	Mutual Gas Light Co.....	Gas.....	18 92
	331	331	Rivard & Suprenant.....	Horse shoeing bill.....	38 53
	332	332	Steben & Shaules.....	Horse shoeing bill.....	11 82
	333	333	Wm. Shonheit.....	Hay.....	127 86
	334	334	D. L. Hickey.....	Horse shoeing bill.....	12 64
	335	335	Smith & Grigg.....	Horse shoeing bill.....	18 75
	336	336	T. W. Leonard.....	Horse shoeing bill.....	13 13
	337	337	Jas. E. Pittman.....	Coal.....	399 00
	338	338	Pay roll labor.....	Water supply.....	170 88
	339	339	Pay roll washing.....	Month of October.....	61 24
	340	340	Pay roll department.....	Month of October.....	5,782 78
Total for October.....					\$10,212 60

## NOVEMBER.

Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
12	341	341	John Pettie.....	Painting.....	\$108 73
	342	342	Blake Hose Co .....	Repairing pipes.....	7 03
	343	343	Roger Sullivan.....	Hauling dirt.....	7 50
	344	344	Horan & Sullivan.....	Cistern covers.....	184 80
	345	345	Kuchburgh & Co.....	Office desk.....	72 95
	346	346	C. H. Dickerson.....	Buffalo robe.....	9 00
	347	347	Detroit Free Press Co.....	Printing Blanks.....	19 25
	348	348	Farrand, Williams & Co.....	Soap.....	5 47
	349	349	Perry, Wendell, Fay & Co.....	Uniform cloth.....	169 57
	350	350	Detroit Gas Light Co.....	Gas.....	32 63
	351	351	Richard Walsh.....	Hydrant and building repairs.....	101 86
	352	352	M. V. Bentley.....	Kerosene oil.....	15 66
	353	353	Pay roll laborers.....	Water supply.....	155 51
	354	354	H. H. Hickmott.....	Carpenter work.....	39 00
19	355	355	Patrick Dee.....	Third payment addition No. 2.....	1,309 00
26	356	356	Jas. W. Sutton.....	Three reservoirs.....	180 00
	357	357	O. H. Crawford.....	Wood.....	8 50
	358	358	J. P. Benoit & Bro.....	Hydrant and apparatus repairs.....	323 46
	359	359	Board of Public Works.....	Repaving.....	40 15
	360	360	Geo. Furguson.....	Carrots.....	33 75
	361	361	Jas. Stringer.....	Hay.....	135 03
Dec. 3	362	362	Jas. E. Pittman.....	Coal.....	128 50
	363	363	M. V. Bentley.....	Kerosene oil.....	14 50
	364	364	W. S. Penfield.....	Stove fixtures.....	13 55
	365	365	Samuel Hawman.....	Sundry building and repairing.....	173 74
	366	366	H. D. Edwards & Co.....	Packing and small hose.....	58 63
	367	367	Peter Beck.....	Straw.....	36 00
	368	368	Sundry persons.....	Hauling dirt.....	17 38
	369	369	Smith & Grigg.....	Horse shoeing bill.....	20 00
	370	370	Harmer & McMahon.....	Horse shoeing bill.....	25 96
	371	371	Stebens & Shaules.....	Horse shoeing bill.....	6 05
	372	372	D. L. Hickey.....	Horse shoeing bill.....	10 13
	373	373	T. W. Leonard.....	Horse shoeing bill.....	18 75
	374	374	Pay roll laborers.....	Water supply.....	119 50
	375	375	Pay roll washing.....	Month of November.....	62 82
	376	376	Pay roll department.....	Month of November.....	5,785 92
Total for November.....					\$9,450 30

## DECEMBER.

10	377	377	Harvey Miller.....	One horse.....	\$160 00
	378	378	Detroit Gas Light Co.....	Gas.....	35 33
	379	379	Mutual Gas Light Co.....	Gas.....	90 93
17	380	380	Pay roll labor.....	Water supply and telegraph.....	149 26
	381	381	Perry, Wendell, Fay & Co.....	Uniform cloth.....	191 67
	382	382	Great Western Railway.....	Freight on engine.....	54 00
	383	383	Sundry persons.....	Hay and oats from market.....	112 31
24	384	384	Russell Wheel & F dry Co.....	Branch pipes, etc.....	60 00
	385	385	Jaynes & Buchan.....	Lag pipe.....	5 30
	386	386	Board of Public Works.....	Repaving.....	21 80
	387	387	Furguson, McKay & Co.....	Valves.....	85 50
	388	388	Geo. C. Weatherbee & Co.....	Supplies.....	16 00
	389	389	A. Burrell.....	Carriages, annual inspection.....	48 00
	390	390	Belle Isle Ice Co.....	Ice for offices.....	6 45
	391	391	Western Fire Map Co.....	Map.....	3 00
	392	392	Detroit Locomotive Works.....	Engine repairs.....	21 48
	393	393	Kennedy & Greig.....	Apparatus repairing.....	16 03
	394	394	Detroit Tove Works.....	Grates.....	10 87
	395	395	Cleveland Rubber Co.....	Packing.....	17 62
	396	396	J. H. Chamberlin.....	Wagon jacks.....	4 00
	397	397	De Voursney Bros.....	Repairing lamps.....	9 50
	398	398	Mrs. M. Sawney.....	Sewing on bedding.....	6 00



Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
	399	399	Guy T. Hinchman & Co....	Rope, etc.....	\$3 32
	400	400	J. Dewey & Son.....	Lumber.....	41 01
	401	402	L. B. DeGalen.....	Stall posts.....	6 00
	402	402	Geo. Kittleberger.....	Bran.....	34 40
	403	403	Wm. Shonheit.....	Hay.....	40 83
	404	404	James Stringer.....	Hay.....	41 14
	405	405	Detroit City Railway Co...	Horse bedding.....	22 00
	406	406	A. Sheeler.....	Harness repairing.....	7 75
31 Jan.	407	407	Patrick Dee.....	Fourth payment addition No. 2...	350 00
7	408	408	Peter McGuire.....	One horse.....	180 00
	409	409	Wm. Brown.....	One horse.....	160 00
	410	410	Jas. Girardin.....	One horse.....	200 00
	411	411	James E. Pittman.....	Coal.....	163 25
	412	412	S. G. Wight.....	Lumber.....	8 06
	413	413	Dean, Brow & Godfrey.....	Glass, etc.....	21 82
	414	414	T. H. Hinchman & Sons.....	Sulp. Copper for Telegraph, etc...	444 33
	415	415	L. A. Smith & Co.....	Blankets, etc.....	47 15
	416	416	M. S. Smith & Co.....	Repairing clocks.....	3 00
	417	417	Mutual Gas Light Co.....	Gas.....	18 23
	418	418	Detroit Gas Light Co.....	Gas.....	36 68
	419	419	Manchester Loco'tive W'ks	Repairs to Engine No. 6.....	1,518 65
	420	420	Case & Ballie.....	Steam valves.....	36 00
	421	421	John Hopkin.....	Apparatus repairing.....	156 00
	422	422	Stebens & Shaules.....	Horse shoeing bill.....	4 91
	423	423	D. L. Hickey.....	Horse shoeing bill.....	6 75
	424	324	Smith & Grigg.....	Horse shoeing bill.....	15 25
	425	425	Robert Harmer.....	Horse shoeing bill.....	25 51
	426	426	Pay roll labor.....	Water, telegraph and building,...	144 25
	427	427	Pay roll washing.....	Month of December.....	61 08
428	428	428	Pay roll department.....	Month of December.....	5,764 56
Total for December.....					\$10,623 68

## JANUARY.

1878	429	429	Patrick Dee.....	Fifth payment addition No. 2.....	\$250 98
14	430	430	Julius Hess.....	Services superintendence.....	46 04
	431	431	D. A. Ross & Co.....	Lumber.....	60 93
	432	432	Wm. Purves.....	Repairing telegraph and buildings	66 68
	433	433	H. George.....	Carpenter work.....	10 00
	434	434	Standart Bros.....	Sundry supplies.....	61 12
	435	435	R. & F. Walsh.....	Sundry building repairing.....	17 42
	436	436	W. H. Anderson.....	Repairing tools.....	6 25
	437	437	J. P. Benoit & Bros.....	Apparatus and hydrant repairing	21 24
	438	438	Detroit Locomotive W'ks...	Apparatus repairing.....	45 87
	439	439	Allison & Hilbert.....	Harness repairing.....	17 25
	440	440	M. V. Bentley.....	Kerosene oil.....	14 46
28	441	441	Sundry person.....	Bills freight, express, etc.....	18 81
	442	442	Salliotte, Raup & Hebert...	Lumber.....	9 76
	443	445	Sundry persons.....	Hay and oats from market.....	54 06
	444	444	Pay roll labor.....	Building repairing.....	52 00
	445	445	N. Cain.....	Repairing tools and apparatus.....	34 30
	446	446	F. Beaufait.....	Engine lighter.....	6 48
Feb.	447	447	J. B. Benoit & Bros.....	Engine repairing.....	31 96
4	448	448	Samuel Hawman.....	Apparatus and building repairing	84 24
	449	440	Michigan Car Co.....	Lumber.....	7 50
	450	450	Jas. E. Pittman.....	Coal.....	126 00
	451	451	O. H. Crawford.....	Wood.....	5 50
	452	452	Detroit Gas Light Co.....	Gas.....	35 11
	453	453	Mutual Gas Light Co.....	Gas.....	21 61
	454	454	Detroit City Railway Co...	Horse bedding.....	17 00
	455	455	Jos. Dunnebacke.....	Harness repairing.....	20 55
	456	456	Geo. Latscha.....	Harness repairing.....	5 53
457	457	457	T. W. Leonard.....	Horse shoeing bill.....	29 36

Date.	Warrant.	Voucher.	TO WHOM PAID.	FOR WHAT PAID.	Amount.
4	458	458	D. L. Hickey .....	Horse shoeing bill.....	8 75
	559	459	Stebens & Shales.....	Horse shoeing bill.....	11 25
	460	460	Smith & Grigg.....	Horse shoeing bill.....	26 00
	461	461	Petty & Harmer.....	Horse shoeing bill.....	49 55
	462	462	Rivard & Suprenant.....	Horse shoeing bill.....	13 63
	463	463	Pay roll washing.....	Month of January, 1878.....	58 08
	464	464	Pay roll department.....	Month of January, 1878.....	5,703 66
Total for January, 1873.....					\$7,043 36

## RECAPITULATION.

Amount expended February.....	\$6,975 91
Amount expended March.....	6,980 92
Amount expended April.....	7,647 61
Amount expended May.....	10,359 83
Amount expended June.....	15,239 98
Amount expended July.....	12,463 61
Amount expended August.....	8,285 36
Amount expended September.....	9,373 22
Amount expended October.....	10,212 60
Amount expended November.....	9,450 30
Amount expended December.....	10,623 68
Amount expended January, 1878.....	7,043 66
Total expenditure.....	\$114,656 68
Amount from sale of old material, etc.....	2,597 20
Net expenditure.....	\$112,059 48

## GENERAL SUMMARY OF EXPENDITURE.

Running expenses.....	\$84,956 38
Fire Alarm Telegraph.....	1,139 40
Apparatus, hose, horses, etc.....	13,331 63
Addition Engine House No. 2.....	3,323 53
Water supply, extension, etc.....	9,308 54
Total.....	\$112,059 48

**SUMMARY OF RUNNING EXPENSES.**

Pay rolls.....	\$67,993 93
Hay, oats, horse feed, etc.....	2,969 55
Horse shoeing.....	971 61
Harness and repairs.....	319 19
Engine repairs.....	1,217 37
Hose cart repairs.....	233 63
Wagon repairs.....	245 00
Hook and ladder repairs.....	73 89
Furniture, beading and repairs.....	566 34
Washing.....	745 53
Coal.....	1,921 50
Gas.....	551 08
General building repairs.....	4,413 71
General supplies.....	1,231 38
Telegraph supplies.....	944 55
Printing and stationery.....	419 10
Kindling.....	13 72
Hose repairs.....	125 30
<b>Total.....</b>	<b>\$84,956 38</b>

**DETAIL STATEMENT OF RUNNING EXPENSES.****EXPENSE PER COMPANY.****PAY ROLLS.**

Engine Company No. 1.....	\$5,662 34
Engine Company No. 2.....	5,334 99
Engine Company No. 3.....	5,347 52
Engine Company No. 4.....	5,350 84
Engine Company No. 5.....	5,355 42
Engine Company No. 6.....	5,336 76
Engine Company No. 7.....	5,353 48
Engine Company No. 8.....	5,353 42
Chemical Company No. 1.....	2,799 84
Chemical Company No. 2.....	3,219 84
H. & L. Company No. 1.....	4,887 84
H. & L. Company No. 2.....	4,905 48
Officers, Telegraph, etc.....	9,086 16
	<b>\$67,993 93</b>

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## HORSE FEED AND BEDDING.

Engine Company No. 1.....	\$144 91
Engine Company No. 2.....	199 31
Engine Company No. 3.....	210 29
Engine Company No. 4.....	261 63
Engine Company No. 5.....	294 78
Engine Company No. 6.....	288 51
Engine Company No. 7.....	240 63
Engine Company No. 8.....	244 27
Chemical Company No. 1.....	191 60
Chemical Company No. 2.....	118 88
H. & L. Company No. 1.....	183 90
H. & L. Company No. 2.....	163 51
Supply, Extra and Telegraph.....	424 93
Grinding feed, etc.....	2 40

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\$2,969 55

## HORSE SHOEING.

Engine Company No. 1.....	\$22 30
Engine Company No. 2.....	80 97
Engine Company No. 3.....	78 25
Engine Company No. 4.....	72 09
Engine Company No. 5.....	43 27
Engine Company No. 6.....	103 41
Engine Company No. 7.....	74 84
Engine Company No. 8.....	95 00
Chemical Company No. 1.....	48 75
Chemical Company No. 2.....	45 00
H. & L. Company No. 1.....	38 73
H. & L. Company No. 2.....	72 37
Supply, Extra and Telegraph.....	196 63

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\$971 61

## HARNESS AND REPAIRS.

Engine Company No. 1.....	12 20
Engine Company No. 2.....	22 48
Engine Company No. 3.....	18 35
Engine Company No. 4.....	38 45
Engine Company No. 5.....	16 20
Engine Company No. 6.....	25 25
Engine Company No. 7.....	35 32

Engine Company No. 8.....	\$27 95
Chemical Company No. 1.....	9 46
Chemical Company No. 2.....	4 10
H. & L. Company No. 1.....	11 90
H. & L. Company No. 2.....	13 10
Supply, Extra and Telegraph.....	84 43
	<hr/> \$319 19

## ENGINE REPAIRS.

Engine Company No. 1.....	\$191 74
Engine Company No. 2.....	179 36
Engine Company No. 3.....	169 10
Engine Company No. 4.....	62 82
Engine Company No. 5.....	83 58
Engine Company No. 6.....	135 57
Engine Company No. 7.....	67 63
Engine Company No. 8.....	72 81
Chemical Company No. 1.....	11 05
Chemical Company No. 2.....	176 23
Extra, Engine A.....	17 56
Extra, Engine B.....	7 08
Material parts, etc.....	42 84
	<hr/> \$1,217 37

## HOSE CART REPAIRS.

Engine Company No. 1.....	\$9 70
Engine Company No. 2.....	10
Engine Company No. 3.....	76 85
Engine Company No. 4.....	19 60
Engine Company No. 5.....	35 02
Engine Company No. 6.....	53 25
Engine Company No. 7.....	6 80
Engine Company No. 8.....	32 31
	<hr/> \$233 63

## WAGON REPAIRS.

Engine Company No. 1.....	\$7 85
Engine Company No. 2.....	26 75
Engine Company No. 3.....	2 50
Engine Company No. 4.....	12 65
Engine Company No. 6.....	25
Engine Company No. 7.....	12 00

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Chemical Company No. 2.....	\$35 50	
Supply, Telegraph and Extra.....	147 80	
	<hr/>	\$245 00

## HOOK AND LADDER REPAIRS.

Hook and Ladder Company No. 1.....	\$46 19	
Hook and Ladder Company No. 2.....	21 25	
Extra truck.....	3 95	
Extra ladders.....	2 50	
	<hr/>	\$73 89

## FURNITURE, BEDDING AND REPAIRS.

Engine Company No. 1.....	\$16 12	
Engine Company No. 2.....	44 30	
Engine Company No. 3.....	28 77	
Engine Company No. 4.....	13 48	
Engine Company No. 5.....	28 44	
Engine Company No. 6.....	28 83	
Engine Company No. 7.....	11 19	
Engine Company No. 8.....	25 03	
Chemical Company No. 1.....	7 47	
Chemical Company No. 2.....	8 98	
H. and L. Company No. 1.....	23 82	
H. and L. Company No. 2.....	43 03	
Officers Telegraph and Supply.....	186 67	
Material, etc.....	100 21	
	<hr/>	\$566 34

## WASHING.

Engine Company No. 1.....	\$61 90	
Engine Company No. 2.....	69 12	
Engine Company No. 3.....	71 74	
Engine Company No. 4.....	64 66	
Engine Company No. 5.....	66 24	
Engine Company No. 6.....	64 66	
Engine Company No. 7.....	66 79	
Engine Company No. 8.....	65 04	
Chemical Company No. 1.....	30 48	
Chemical Company No. 2.....	30 90	
H. and L. Company No. 1.....	70 14	
H. and L. Company No. 2.....	83 86	
	<hr/>	\$745 53

## COAL.

Engine Company No. 1.....	\$337 25
Engine Company No. 2.....	210 50
Engine Company No. 3.....	178 50
Engine Company No. 4.....	168 00
Engine Company No. 5.....	161 75
Engine Company No. 6.....	163 00
Engine Company No. 7.....	145 75
Engine Company No. 8.....	180 75
Chemical Company No. 2.....	73 50
H. & L. Company No. 1.....	52 50
H. & L. Company No. 2.....	101 50
Supply and Extra.....	106 00
Offices and Telegraph.....	42 50
	<hr/> \$1,921 50

## GAS.

Engine Company No. 1.....	\$79 83
Engine Company No. 2.....	50 24
Engine Company No. 3.....	49 51
Engine Company No. 4.....	35 88
Engine Company No. 5.....	39 52
Engine Company No. 6.....	34 77
Engine Company No. 7.....	35 81
Engine Company No. 8.....	34 72
Chemical Company No. 2.....	37 49
H. & L. Company No. 1.....	48 71
H. & L. Company No. 2.....	32 61
Offices, Telegraph and Supply.....	71 99
	<hr/> \$551 08

## GENERAL BUILDING REPAIRS.

Engine Company No. 1.....	\$254 47
Engine Company No. 2.....	222 91
Engine Company No. 3.....	204 48
Engine Company No. 4.....	518 47
Engine Company No. 5.....	398 26
Engine Company No. 6.....	52 99
Engine Company No. 7.....	446 69
Engine Company No. 8.....	478 28
Chemical Company No. 2.....	115 03
H. and L. Company No. 1.....	24 16

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H. and L. Company No. 2.....	\$521 60	
Storehouse "A".....	551 95	
Storehouse "B".....	493 94	
Supply, Extra, etc.....	130 48	
	<hr/>	\$4,413 71

## GENERAL SUPPLIES.

Oils, illuminating and lubricating.....	\$372 13	
Soda and acid for chemical engines.....	150 21	
Soap.....	96 57	
Lanterns and globes.....	40 75	
Nails, wrenches, pails and brooms.....	71 98	
Waste and wiping rags.....	48 27	
Whips, horse brushes and combs.....	42 57	
Sponges and chamois skins.....	58 00	
Linseed meal.....	22 75	
Matches.....	18 00	
Miscellaneous supplies.....	310 15	
	<hr/>	\$1,231 38

## TELEGRAPH SUPPLIES.

Sulphate copper for battery.....	\$731 38	
Zincs for battery.....	191 86	
Coppers and hooks.....	17 90	
Miscellaneous supplies.....	3 41	
	<hr/>	\$944 55

## PRINTING AND STATIONERY.

Printing Annual Report.....	\$147 50	
Certificate blanks.....	75 00	
Telegraph cards.....	23 50	
Blanks and stationery.....	165 60	
Record book.....	7 50	
	<hr/>	\$419 10
Hose dressing.....		125 30
Kindling.....		13 72
		<hr/>
Total running expenses.....		\$84,956 38
		<hr/>



**DETAIL STATEMENT OF RUNNING EXPENSE FOR EACH COMPANY PER MONTH.  
PAY ROLLS.**

COMPANIES.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 1898.	Total.
Engine Company No. 1.....	\$497 97	\$498 97	\$466 64	\$451 64	\$481 64	\$466 64	\$466 64	\$466 64	\$466 64	\$466 64	\$466 64	\$465 64	\$ 5,668 34
Engine Company No. 2.....	451 31	452 31	444 98	453 37	444 98	444 98	444 98	448 97	439 17	444 98	444 98	441 98	5,334 59
Engine Company No. 3.....	453 31	453 31	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	443 98	5,347 59
Engine Company No. 4.....	453 31	450 73	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	443 98	5,350 84
Engine Company No. 5.....	453 31	453 31	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	443 98	5,355 48
Engine Company No. 6.....	453 31	453 31	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	443 98	5,350 76
Engine Company No. 7.....	453 31	453 31	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	443 98	5,353 48
Engine Company No. 8.....	453 31	453 31	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	443 98	5,353 48
Chemical Company No. 1.....	453 31	453 31	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	443 98	5,353 48
Chemical Company No. 2.....	453 31	453 31	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	444 98	443 98	5,353 48
Hook & Ladder Company No. 1.....	408 32	406 32	408 32	408 32	408 32	408 32	408 32	408 32	408 32	408 32	408 32	403 32	3,799 84
Hook & Ladder Company No. 2.....	408 32	412 62	411 66	408 32	408 32	408 32	408 32	408 32	408 32	408 32	408 32	403 32	4,087 84
Officers, Telegraph, &c.....	651 23	651 51	697 48	697 00	697 00	697 93	697 45	826 35	888 81	889 14	869 78	822 48	9,086 16
<b>Total.....</b>	<b>5,635 65</b>	<b>5,640 65</b>	<b>5,599 60</b>	<b>5,588 17</b>	<b>5,611 78</b>	<b>5,594 71</b>	<b>5,594 29</b>	<b>5,694 46</b>	<b>5,785 78</b>	<b>5,785 92</b>	<b>5,764 56</b>	<b>5,703 36</b>	<b>\$67,993 93</b>

**HORSE FEED AND BEDDING.**

Engine Company No. 1.....	\$16 49	\$13 60	\$79 84	\$2 20	\$21 44	\$74 41	\$10 22	\$1 25	\$16 90	\$2 00	\$144 91
Engine Company No. 2.....	12 40	13 76	86 74	4 20	17 99	2 00	12 84	2 90	10 28	56 06	199 31
Engine Company No. 3.....	25 32	20 76	100 16	3 20	2 00	8 80	13 05	14 38	42 99	2 00	210 29
Engine Company No. 4.....	\$66 41	3 81	93 80	2 40	4 00	7 32	60 18	33 46	2 00	2 00	261 63
Engine Company No. 5.....	24 97	3 81	93 80	2 40	4 00	7 32	60 18	33 46	2 00	2 00	261 63
Engine Company No. 6.....	14 80	56 00	93 80	4 40	63 54	13 84	48 90	2 50	4 00	2 00	288 51
Engine Company No. 7.....	27 44	9 84	17 71	4 40	63 54	13 84	48 90	2 50	4 00	2 00	288 51
Engine Company No. 8.....	12 45	55 44	17 71	4 40	63 54	13 84	48 90	2 50	4 00	2 00	288 51
Chemical Company No. 1.....	12 15	55 44	17 71	4 40	63 54	13 84	48 90	2 50	4 00	2 00	288 51
Chemical Company No. 2.....	12 15	55 44	17 71	4 40	63 54	13 84	48 90	2 50	4 00	2 00	288 51
Hook & Ladder Company No. 1.....	18 61	3 31	53 89	15 63	10 35	71 22	16 80	2 50	14 04	2 00	118 88
Hook & Ladder Company No. 2.....	8 48	16 68	112 69	15 63	10 35	71 22	16 80	2 50	14 04	2 00	118 88
Supply, Extra, &c.....	8 48	16 68	112 69	15 63	10 35	71 22	16 80	2 50	14 04	2 00	118 88
<b>Total.....</b>	<b>\$123 50</b>	<b>\$192 20</b>	<b>\$544 83</b>	<b>\$174 30</b>	<b>\$331 11</b>	<b>\$641 40</b>	<b>\$374 30</b>	<b>\$168 78</b>	<b>\$216 29</b>	<b>\$66 06</b>	<b>\$2,969 55</b>

## HORSE SHOEING.

COMPANIES.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 1898.	Total.
Engine Company No. 1.....	\$1 25	\$3 87	\$ 93	\$2 50	\$1 25	\$2 50	\$1 25	\$2 50	.....	\$1 50	.....	\$3 75	\$ 22 30
Engine Company No. 2.....	18 23	.....	18 28	9 07	.....	4 71	3 14	.....	\$13 14	6 88	.....	12 89	80 97
Engine Company No. 3.....	11 25	7 25	4 50	3 00	.....	12 50	5 00	7 25	6 00	5 00	3 50	13 00	78 25
Engine Company No. 4.....	11 28	6 63	4 39	6 06	7 88	5 76	7 25	6 01	5 13	4 50	4 01	9 25	72 09
Engine Company No. 5.....	.....	.....	.....	6 25	.....	8 44	2 19	.....	5 95	2 50	3 75	8 13	43 97
Engine Company No. 6.....	14 82	5 63	3 77	6 52	8 00	14 14	7 13	5 13	12 64	10 13	6 75	8 75	103 41
Engine Company No. 7.....	.....	21 43	1 25	.....	.....	.....	.....	.....	38 53	.....	.....	13 63	74 84
Engine Company No. 8.....	15 25	5 00	6 00	8 50	.....	9 25	9 38	4 87	9 50	9 50	8 50	9 25	95 00
Chemical Company No. 1.....	5 00	6 24	2 18	6 25	1 83	1 25	3 44	4 38	3 13	7 50	.....	7 50	48 75
Chemical Company No. 2.....	9 50	3 00	2 50	4 00	.....	5 75	2 85	2 00	3 25	5 50	3 25	3 75	45 00
Hook & Ladder Company No. 1.....	3 75	5 62	.....	5 00	2 50	.....	5 00	.....	2 50	5 00	.....	9 36	38 73
Hook & Ladder Company No. 2.....	10 13	.....	10 19	4 83	.....	10 45	5 26	.....	6 81	3 94	8 61	12 08	72 37
Supply, Extra, &c.....	16 07	5 32	18 02	22 51	12 50	20 83	11 57	9 38	26 27	16 39	12 50	25 20	196 61
Total.....	\$110 53	\$69 99	\$78 14	\$78 48	\$14 01	\$95 58	\$63 11	\$41 52	\$132 85	\$79 34	\$51 52	\$136 54	\$971 61

## HARNESS AND REPAIRS.

Engine Company No. 1.....	\$1 85	.....	.....	\$3 80	.....	\$ 75	.....	\$ 45	.....	.....	.....	\$2 90	\$12 20
Engine Company No. 2.....	2 25	.....	.....	25	.....	6 78	.....	.....	\$2 75	.....	.....	4 90	22 48
Engine Company No. 3.....	45	.....	.....	.....	75	6 30	.....	90	14 50	.....	.....	4 10	18 35
Engine Company No. 4.....	2 25	.....	.....	3 35	.....	.....	.....	.....	.....	\$ 50	.....	6 60	38 45
Engine Company No. 5.....	.....	.....	.....	.....	.....	3 80	.....	.....	14 50	.....	.....	3 50	16 20
Engine Company No. 6.....	2 60	.....	.....	3 25	.....	5 75	.....	.....	15 95	1 82	2 75	2 95	95 25
Engine Company No. 7.....	8 95	.....	.....	50	.....	.....	.....	3 90	14 50	.....	3 00	2 95	35 32
Engine Company No. 8.....	.....	.....	.....	90	.....	3 75	.....	50	.....	.....	2 00	1 81	27 95
Chemical Company No. 1.....	50	.....	.....	.....	.....	1 40	.....	.....	.....	.....	1 20	50	9 46
Chemical Company No. 2.....	.....	.....	.....	1 00	.....	3 00	.....	2 15	.....	.....	3 20	.....	4 10
Hook & Ladder Company No. 1.....	.....	.....	.....	3 55	2 10	.....	.....	.....	4 75	.....	4 00	1 25	11 90
Hook & Ladder Company No. 2.....	95	.....	.....	5 68	6 75	11 35	.....	7 80	17 35	9 00	7 10	15 30	13 10
Supply, Extra, &c.....	4 10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84 43
Total.....	\$13 15	\$13 55	\$5 55	\$19 88	\$19 35	\$40 38	.....	\$15 00	\$84 30	\$11 32	\$43 45	\$44 26	\$319 19

## ENGINE REPAIRS.

COMPANIES.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 1898.	Total.
Engine Company No. 1.....	\$8 70	\$47 85	\$4 25	\$5 69	\$8 03	\$11 00	\$45 50	.....	\$7 44	\$2 42	\$41 01	\$10 95	\$101 74
Engine Company No. 2.....	50	1 00	.....	5 25	39 83	13 82	.....	\$ 65	.....	7 79	104 25	11 15	170 36
Engine Company No. 3.....	65	14 00	12 92	2 00	27 80	23 30	.....	.....	.....	.....	124 85	8 25	160 10
Engine Company No. 4.....	45	45 20	.....	30	27 57	23 13	.....	2 00	.....	2 02	3 45	1 25	62 82
Engine Company No. 5.....	.....	45 10	.....	85	11 37	28 75	.....	.....	.....	3 50	26 95	1 71	83 58
Engine Company No. 6.....	.....	12 88	.....	1 68	24 00	2 08	.....	.....	1 15	6 00	5 70	27 80	135 57
Engine Company Co. 8.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14 18	43 17	67 63
Extra Engine A.....	.....	.....	.....	.....	7 70	40	2 35	.....	.....	.....	.....	.....	72 81
Extra Engine B.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11 05
Chemical Company No. 1.....	.....	9 00	.....	13 50	16	.....	.....	15	.....	176 23	1 35	.....	176 23
Chemical Company No. 2.....	.....	.....	.....	4 50	10	25	.....	.....	.....	1 68	55	.....	7 08
Extra Paris, &c.....	.....	17 44	.....	.....	.....	.....	.....	83 00	.....	.....	2 40	.....	42 84
Total.....	\$10 60	\$185 47	\$17 17	\$32 70	\$154 96	\$84 30	\$47 85	\$45 80	\$8 59	\$199 74	\$326 84	\$123 35	\$1,217 37

## HOSE CART REPAIRS.

Engine Company No. 1.....	.....	\$5 50	55	\$1 05	.....	\$1 50	.....	.....	.....	\$ 10	\$1 00	.....	\$9 70
Engine Company No. 2.....	.....	75 75	.....	.....	.....	.....	.....	85	.....	.....	.....	.....	10
Engine Company No. 3.....	.....	2 10	90	.....	.....	9 70	6 60	30	.....	.....	25	.....	76 85
Engine Company No. 4.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5 02	8 25	.....	19 60
Engine Company No. 5.....	2 25	7 00	.....	19 50	.....	31 00	.....	.....	.....	.....	.....	.....	35 02
Engine Company No. 6.....	.....	.....	.....	6 50	.....	.....	.....	.....	.....	30	13 75	.....	53 25
Engine Company No. 7.....	.....	1 50	.....	2 75	.....	24 55	.....	.....	.....	3 15	.....	.....	6 80
Engine Company No. 8.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32 31
Total.....	\$2 25	\$91 85	\$1 45	\$31 30	.....	\$66 75	\$6 60	\$1 15	.....	\$9 03	\$23 25	.....	\$233 63

## WAGON REPAIRS.

COMPANIES.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 1878.	Total.
Engine Company No. 1.....	.....	.....	.....	.....	.....	.....	.....	\$7 85	.....	.....	.....	.....	\$ 7 85
Engine Company No. 2.....	.....	\$1 00	.....	\$3 95	.....	.....	.....	8 85	.....	.....	\$12 95	.....	26 75
Engine Company No. 3.....	.....	.....	.....	2 50	.....	.....	.....	.....	.....	.....	.....	.....	2 50
Engine Company No. 4.....	.....	.....	10	10 35	.....	.....	.....	1 15	.....	.....	.....	75	12 35
Engine Company No. 5.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engine Company No. 6.....	.....	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
Engine Company No. 7.....	.....	.....	.....	.....	.....	.....	.....	12 00	.....	.....	.....	.....	12 00
Engine Company No. 8.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32 75	.....	35 50
Hook & Ladder Company No. 2.....	.....	.....	.....	.....	.....	.....	.....	2 75	.....	.....	.....	.....	.....
Chemical Company No. 1.....	.....	1 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 00
Supply, Telegraph, Extra.....	.....	10 50	.....	6 35	.....	\$46 55	.....	57 35	.....	.....	26 05	.....	146 80
Total.....	.....	\$12 75	10	\$23 15	.....	\$46 55	.....	\$89 95	.....	.....	\$71 75	75	\$245 00

## HOOK AND LADDER REPAIRS.

Hook & Ladder Company No. 1.....	\$1 10	\$15 65	\$ 25	.....	\$2 44	\$3 35	.....	\$3 25	30	50	\$2 90	\$16 45	\$46 19.
Hook & Ladder Company No. 2.....	25	5 65	1 20	.....	.....	1 95	.....	8 85	50	45	1 95	45	21 25
Extra Truck.....	.....	.....	.....	.....	2 50	.....	.....	3 95	.....	.....	.....	.....	3 95
Extra Ladders.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2 50
Totals.....	\$1 35	\$21 30	\$1 45	.....	\$4 94	\$5 30	.....	\$16 05	80	95	\$4 85	\$16 90	\$73 89.

## FURNITURE, BEDDING AND REPAIRS.

COMPANIES.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 1878.	Total.
Engine Company No. 1.....	\$3 37	.....	.....	.....	.....	\$ 35	.....	.....	\$8 80	\$3 60	.....	.....	\$16 12
Engine Company No. 2.....	3 98	.....	.....	53	10 80	11 30	.....	50	13 83	3 00	.....	.....	44 30
Engine Company No. 3.....	3 07	20	.....	1 50	50	4 00	.....	.....	4 50	6 00	9 00	.....	28 77
Engine Company No. 4.....	2 98	.....	.....	.....	45	1 50	.....	.....	4 50	4 05	.....	.....	13 48
Engine Company No. 5.....	4 02	.....	.....	.....	10	7 80	.....	.....	4 50	12 08	.....	.....	28 44
Engine Company No. 6.....	7 93	.....	.....	.....	.....	.....	.....	.....	16 30	4 60	.....	.....	28 83
Engine Company No. 7.....	2 97	.....	.....	.....	.....	72	.....	.....	4 50	3 00	.....	.....	11 19
Engine Company No. 8.....	2 98	.....	.....	.....	.....	.....	.....	.....	4 50	13 5	4 00	.....	25 03
Chemical Company No. 1.....	2 97	.....	.....	.....	.....	.....	.....	.....	3 00	3 00	.....	.....	7 47
Hook & Ladder Company No. 1.....	6 47	.....	.....	.....	.....	.....	.....	.....	14 35	3 00	.....	.....	23 82
Hook & Ladder Company No. 2.....	12 93	.....	.....	.....	.....	1 50	.....	.....	5 00	23 00	.....	.....	43 03
Offices, Supply, &.....	11 92	.....	.....	.....	34 50	20 00	50	\$2 00	45 60	78 20	45 65	.....	186 07
Total.....	\$68 57	20	.....	\$2 03	\$46 35	\$95 45	50	\$2 50	\$131 77	\$160 02	\$58 95	.....	\$566 34

## WASHING.

Engine Company No. 1.....	\$4 86	\$6 60	\$4 38	\$5 42	\$6 24	\$5 16	\$4 50	\$4 02	\$5 42	\$4 74	\$4 38	\$5 22	\$61 00
Engine Company No. 2.....	5 34	6 54	5 16	5 22	6 72	6 15	5 22	7 38	6 00	5 02	6 22	5 04	69 12
Engine Company No. 3.....	5 10	5 54	6 20	5 16	5 04	6 15	5 04	0 15	6 80	5 72	6 30	5 04	71 64
Engine Company No. 4.....	3 72	6 18	4 80	8 68	5 04	4 08	5 04	4 82	5 22	5 02	4 62	5 76	64 24
Engine Company No. 5.....	5 52	5 52	5 52	5 52	5 52	5 52	5 52	5 52	5 52	5 52	5 52	5 52	64 24
Engine Company No. 6.....	4 86	6 00	4 80	4 80	6 00	4 80	6 00	5 86	4 80	6 36	5 04	5 28	64 24
Engine Company No. 7.....	4 80	4 80	6 24	8 55	4 80	4 80	4 80	2 02	5 04	6 04	6 00	4 80	66 72
Engine Company No. 8.....	5 28	6 60	4 02	5 16	6 36	5 16	5 16	6 12	4 68	6 36	4 44	4 80	66 72
Chemical Company No. 1.....	2 40	2 40	2 28	3 00	2 40	3 00	2 40	2 40	2 40	2 40	3 00	2 40	63 02
Chemical Company No. 2.....	2 40	2 58	2 52	3 00	2 70	2 52	2 52	2 64	2 52	2 82	2 40	2 64	70 48
Hook & Ladder Company No. 1.....	4 26	6 06	5 58	5 64	5 64	5 22	6 00	5 58	5 52	6 78	5 52	5 24	70 14
Hook & Ladder Company No. 2.....	7 42	7 62	6 50	6 24	8 28	6 24	6 24	8 76	6 24	6 24	8 04	6 24	83 86
Total.....	\$55 96	\$67 34	\$58 86	\$65 91	\$65 82	\$66 31	\$59 46	\$68 05	\$61 24	\$62 82	\$61 68	\$58 08	\$745 35

## COAL.

COMPANIES.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 1878.	Total.
Engine Company No. 1.....	\$33 75	\$32 50	\$40 25	\$46 00	.....	\$42 25	.....	\$21 00	\$57 75	\$46 25	\$31 25	\$26 25	\$337 25
Engine Company No. 2.....	28 00	21 00	40 50	19 50	.....	5 50	.....	5 50	43 50	21 00	10 50	15 50	210 50
Engine Company No. 3.....	28 00	21 00	40 50	7 00	.....	11 00	.....	.....	32 50	11 00	16 50	11 00	178 50
Engine Company No. 4.....	14 00	35 00	.....	38 00	.....	.....	.....	11 00	37 50	10 50	26 95	11 00	108 00
Engine Company No. 5.....	21 00	14 00	7 00	25 75	.....	5 50	.....	.....	51 75	.....	.....	.....	101 75
Engine Company No. 6.....	39 00	39 00	.....	.....	.....	28 00	.....	11 00	42 00	.....	.....	10 00	103 00
Engine Company No. 7.....	21 00	39 00	.....	28 00	.....	.....	.....	.....	57 75	.....	21 00	.....	145 75
Engine Company No. 8.....	21 00	21 00	25 00	14 00	.....	11 00	.....	5 50	26 00	10 50	36 25	10 50	180 75
Chemical Company No. 2.....	.....	.....	.....	.....	.....	.....	.....	.....	52 50	.....	.....	.....	73 50
H. & L. Company No. 1.....	.....	.....	.....	.....	.....	.....	.....	.....	52 50	.....	.....	.....	51 50
H. & L. Company No. 2.....	13 50	13 50	20 25	6 75	.....	.....	.....	.....	10 50	21 25	.....	15 75	101 50
Supply Department.....	7 00	7 00	.....	28 00	.....	.....	.....	25 00	15 00	10 50	10 50	10 00	106 00
Telegraph and offices.....	.....	13 50	7 00	.....	.....	.....	.....	.....	.....	11 00	.....	11 00	42 50
<b>Total.....</b>	<b>\$198 25</b>	<b>\$277 50</b>	<b>\$160 50</b>	<b>\$201 00</b>	.....	<b>\$97 25</b>	.....	<b>\$79 00</b>	<b>\$479 25</b>	<b>\$134 00</b>	<b>\$163 25</b>	<b>\$131 50</b>	<b>\$1,921 50</b>

## GAS.

Engine Company No. 1.....	.....	.....	.....	.....	.....	\$14 20	\$3 38	\$3 38	\$1 28	\$6 52	\$15 07	\$9 00	\$79 83
Engine Company No. 2.....	.....	.....	.....	.....	.....	9 40	5 93	4 28	6 98	.....	9 78	4 95	50 24
Engine Company No. 3.....	.....	.....	.....	.....	.....	16 40	3 15	2 25	4 95	6 08	9 45	5 40	49 51
Engine Company No. 4.....	.....	.....	.....	.....	.....	6 60	2 25	2 25	2 47	3 38	6 53	3 06	35 88
Engine Company No. 5.....	.....	.....	.....	.....	.....	5 60	4 48	5 45	5 85	.....	6 57	4 05	39 52
Engine Company No. 6.....	.....	.....	.....	.....	.....	5 60	4 48	4 48	6 31	.....	6 98	3 38	34 77
Engine Company No. 7.....	.....	.....	.....	.....	.....	4 60	2 03	2 48	2 00	3 38	6 75	4 05	35 81
Engine Company No. 8.....	.....	.....	.....	.....	.....	5 20	2 03	2 70	2 00	3 38	6 53	.....	34 72
Engine Company No. 9.....	.....	.....	.....	.....	.....	.....	.....	.....	3 83	3 00	7 05	4 28	37 49
Chief of Company No. 1.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hook & Ladder Company No. 1.....	.....	.....	.....	.....	.....	8 20	2 78	2 93	3 15	4 05	9 68	4 46	48 71
Hook & Ladder Company No. 2.....	.....	.....	.....	.....	.....	6 20	1 58	3 97	3 97	.....	6 08	3 38	32 61
Officer, Telegraph, etc.....	.....	.....	.....	.....	.....	4 20	1 35	1 35	2 47	5 62	17 10	7 53	52 90
Supply Department.....	.....	.....	.....	.....	.....	3 00	5 53	.....	2 20	.....	2 70	1 60	19 09
<b>Total.....</b>	<b>\$143 40</b>	<b>\$277 50</b>	<b>\$160 50</b>	<b>\$201 00</b>	.....	<b>\$99 60</b>	<b>\$43 34</b>	<b>\$19 37</b>	<b>\$55 75</b>	<b>\$32 63</b>	<b>\$110 27</b>	<b>\$86 72</b>	<b>\$551 08</b>

## GENERAL BUILDING REPAIRS.

COMPANIES.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. 1878.	Total.
Engine Company No. 1.....	\$8 50	.....	.....	\$2 00	\$7 40	\$22 32	.....	\$135 40	\$9 25	\$3 63	.....	\$4 95	\$254 47
Engine Company No. 2.....	06	9 50	.....	62 25	73 57	58 48	\$2 50	11 44	30	1 04	\$2 24	1 53	222 91
Engine Company No. 3.....	.....	.....	.....	40	.....	77 94	.....	6 13	36 69	68 74	9 70	4 88	204 48
Engine Company No. 4.....	1 25	.....	.....	.....	30	170 32	23 46	20 85	255 32	32 25	9 63	5 09	518 47
Engine Company No. 5.....	.....	.....	.....	16 50	.....	78	75 00	204 08	25 93	73 46	2 01	50	308 26
Engine Company No. 6.....	.....	.....	.....	75	.....	2 01	7 50	.....	42 73	.....	.....	.....	52 99
Engine Company No. 7.....	1 35	.....	.....	6 17	.....	1 49	100 00	217 18	90 45	3 17	22 59	4 29	446 69
Engine Company No. 8.....	2 00	.....	.....	3 06	84 10	138 56	.....	154 76	83 33	.....	10 73	1 74	478 28
Chemical Company No. 2.....	7 50	.....	27 00	19 22	48 50	4 69	.....	4 26	.....	63	.....	2 53	115 03
Hook & Ladder Company No. 1.....	7 76	.....	.....	.....	1 50	3 62	.....	.....	1 63	.....	8 65	1 00	24 16
Hook & Ladder Company No. 2.....	.....	.....	9 75	.....	152 12	186 50	2 00	150 41	9 61	.....	6 00	5 21	521 60
Storehouse A.....	.....	.....	.....	295 98	51 65	43 70	31 00	63 25	21 00	45 37	.....	.....	531 95
Storehouse B.....	.....	.....	.....	.....	.....	.....	44 00	257 70	147 55	15 19	28 29	.....	403 94
Supply, Extra, &c.....	.....	.....	.....	13 81	13 50	6 30	23 00	2 05	20 87	12 04	27 02	12 89	130 48
Total.....	\$28 42	\$9 50	\$36 75	\$419 84	\$432 64	\$777 71	\$308 96	1227 51	\$744 66	\$236 25	\$126 86	\$44 61	\$4,413 71

**FIRE ALARM TELEGRAPH.**

Ten fire alarm boxes.....	\$1,666 67	
Freight.....	2 20	
	<hr/>	\$1,668 87
Two call bells.....	41 25	
	<hr/>	41 25
Telegraph wire.....	196 69	
Freight.....	5 25	
	<hr/>	201 94
One Gong.....	100 00	
	<hr/>	100 00
Labor and cross arms.....	\$137 50	
Repairs and sundries.....	125 53	
	<hr/>	263 03
	<hr/>	2,275 09
Credit by amount received from Police Commission..		1,135 69
		<hr/>
Total for Fire Alarm Telegraph.....		\$1,139 40
		<hr/>

**APPARATUS. MISCELLANEOUS, ETC.**

One steam fire engine.....	\$4,000 00	
Alteration Engine No. 6.....	1,419 65	
One supply wagon.....	225 00	
Three double and one single harness.....	333 90	
Hose nozzles and pipes.....	47 50	
One hose carriage.....	525 00	
Two stoves.....	107 39	
4,297 feet hose.....	\$4,239 60	
Credit by sale of hose.....	9 50	
	<hr/>	4,230 10
Fifteen horses.....	2,437 00	
Credit by sale and exchange.....	602 00	
	<hr/>	1,835 00
Uniform cloth.....	858 77	
Credit by returns from same.....	571 91	
	<hr/>	286 86
Badges, buttons, advertisements, miscellaneous, etc.....	381 83	
Credit by miscellaneous returns.....	60 60	
	<hr/>	321 23
	<hr/>	
Total apparatus, miscellaneous, etc.....		\$13,331 63
		<hr/>



**ADDITION ENGINE HOUSE NO. 2.**

Paid to contractor.....	\$2,861 00	
Fitting stalls, extra work.....	361 58	
Plans and superintendence.....	88 95	
Surveying.....	12 00	
	<hr/>	\$3,323 53
Total addition No. 2.....		<u>\$3,323 53</u>

**WATER SUPPLY AND EXTENSION.****WATER SUPPLY.**

108 hydrants.....	\$4,478 39	
Freight on same.....	120 27	
	<hr/>	\$4,598 66
Three reservoirs.....	180 00	
Thirty-five stop valves.....	574. 75	
Bill Water Board.....	253 12	
	<hr/>	5,606 53

**EXTENSION AND REPAIRS.**

Labor.....	\$2,452 25	
Hydrant and reservoir repairing.....	413 67	
Iron cistern covers.....	184 80	
Nipples, drains, etc.....	95 49	
Lumber.....	69 45	
Repaving.....	61 95	
Tools and repairs.....	55 53	
Hauling dirt.....	55 55	
Gaskets and packing.....	48 22	
Wood, log pipe and sundries.....	28 69	
Iron pipe, branches, bends, etc.....	\$453 91	
Credit by sale old material.....	217 50	
	<hr/>	236 41
		<u>3,702 01</u>
Total water supply.....		<u>\$9,308 54</u>

**RECAPITULATION.**

Running expenses.....	\$ 84,956 38
Fire Alarm Telegraph.....	1,139 40
Apparatus, Hoser Horses, etc.....	13,331 63
Addition Engine House No. 2.....	3,323 53
	<hr/>
Total for Department.....	\$102,750 94
For water supply.....	9,308 54
	<hr/>
Total expenditure.....	<u>\$112,059 48</u>

## INDEBTEDNESS OF THE BOARD.

Bill Water Board .....	\$387 44
Farrand, Williams & Co.....	46 35
J. Dewey & Son.....	22 63
Thomas Horan .....	23 70
M. Limbach.....	36 10
Sundry outstanding bills.....	175 75
Total.....	<u>\$691 97</u>

## RECEIPTS FOR MATERIAL, &amp;c.

Care Police Telegraph, etc.....	\$1,135 69
Sale of old horses.....	602 00
Returns from Cloth.....	571 91
Sale old material, etc.....	227 00
Fire Marshal, fees.....	60 60
Total turned over to City Treasurer.....	<u>\$2,597 20</u>

## FUND ACCOUNT.

Amount estimate 1877.....	\$111,635 00
Amount collected.....	\$92,069 37
Amount uncollected.....	19,565 63
	<u>\$111,635 00</u>

## DR.

Balance to credit of fund Feb. 1, 1877.....	\$ 31,574 16
Tax collections and receipts to Feb. 1, 1878.....	121,666 20
	<u>\$153,240 36</u>

## CR.

Warrants drawn from Feb. 1, 1877, to Feb. 1, 1878.....	\$115,618 92
Balance in City Treasury Feb. 1. 1878.....	37,621 44
	<u>\$152,240 36</u>

## RECAPITULATION

Of the Annual Inventories of the Property of the Fire Department of the City of Detroit, January 31st, 1878.

Engine Company No. 1.....	\$ 20,765 52
Engine Company No. 2.....	26,274 71
Engine Company No. 3.....	17,584 55
Engine Company No. 4.....	18,545 33
Engine Company No. 5.....	21,953 43
Engine Company No. 6.....	17,434 30
Engine Company No. 7.....	18,907 17
Engine Company No. 8.....	19,992 44
Chemical Company No. 1.....	2,669 11
Chemical Company No. 2.....	13,315 50
Hook and Ladder Company 1.....	24,268 01
Hook and Ladder Company 2.....	17,904 61
Headquarters, Offices, etc.....	1,074 37
Lot cor. Congress and Jos. Campau ave.....	1,500 00
Storehouse "A," Larned street.....	2,000 00
Storehouse "B," Orchard street.....	1,800 00
Hydrants and reservoirs.....	73,580 00
Fire Alarm Telegraph.....	46,088 00
Property in Supply House No. 1.....	431 45
Property in Supply House No. 2.....	699 45
Extra apparatus and property.....	10,120 01
Supply Department.....	1,272 22
Telegraph Department.....	881 70
Water Supply Department.....	1,127 32

Total valuation..... \$360,189 30

All of which is respectfully submitted,

B. VERNOR,  
L. H. COBB,  
JEROME CROUL,  
PETER HENKEL,

*Board of Fire Commissioners.*

FREDERICK H. SEYMOUR,

*Secretary.*

## REPORT OF SUPPLY AGENT.

OFFICE OF CHIEF ENGINEER,  
DETROIT, February 1, 1878. }

To the Honorable Board of Fire Commissioners:

GENTLEMEN—I have the honor to submit herewith my first annual report:

Hay Purchased and Delivered from February 1, 1877, to January 31, 1878.

DATE.	FROM WHOM BOUGHT.	TO WHOM DELIVERED.	WEIGHT.	PRICE PER TON.	TOTAL.
1877.					
Febr'y 17	James Stringer.....	H. & L. Co. No. 1	2,440	\$10 00	\$22 20
14	M. O'Leary.....	Engine Co., No. 6	1,875	10 00	9 37
1	James Stringer.....	Engine Co., No. 8	2,475	10 00	12 37
1	James Stringer.....	Engine Co., No. 8	3,015	10 00	15 07
28	James Stringer.....	Engine Co., No. 7	2,960	10 00	14 80
13	James Stringer.....	Supply Co., No. 1	1,755	10 00	8 77
10	James Stringer.....	Engine Co., No. 1	1,880	10 00	9 40
15	James Stringer.....	Engine Co., No. 3	2,480	10 00	12 40
26	James Stringer.....	Engine Co., No. 5	3,035	10 00	15 17
23	James Stringer.....	Engine Co., No. 6	2,610	10 00	13 05
21	James Stringer.....	Chemical No. 2.....	2,430	10 00	12 15
March 20	James Stringer.....	Engine Co., No. 4	2,460	10 00	12 30
26	J. B. Wallas.....	Chemical No. 1.....	1,750	11 25	9 84
April 20	A. Bacon.....	Supply No. 1.....	2,085	16 00	16 68
26	A. Stock.....	Engine Co., No. 2	1,700	16 00	13 60
25	C. Schrader.....	Engine Co., No. 3	1,720	16 00	13 76
May 26	James Stringer.....	Engine Co., No. 6	2,460	16 00	19 68
4	J. T. Miller.....	Chemical No. 1.....	2,530	14 00	17 71
29	James Stringer.....	Engine Co., No. 3	2,780	16 00	22 44
28	A. Wadding.....	Engine Co., No. 4	5,270	14 00	36 89
28	A. Wadding.....	Engine Co., No. 4	1,350	14 00	9 45
26	James Stringer.....	Engine Co., No. 6	2,616	16 00	20 92
27	James Stringer.....	Chemical No. 2.....	2,420	16 00	19 36
June 5	V. Calle.....	Supply No. 1.....	1,265	16 00	11 72
July 7	P. Chovey.....	Engine Co., No. 1	2,180	16 00	17 44
6	F. Vent.....	Engine Co., No. 2	1,050	15 00	7 87
6	R. Corthen.....	Engine Co., No. 2	1,350	15 00	10 12
7	M. Kronk.....	Engine Co., No. 6	815	16 00	10 35
7	L. Weigert.....	H. & L. Co., No. 1	1,380	15 00	10 35
26	W. Swegler.....	Engine Co., No. 8	2,400	10 00	12 00
30	J. McFadden.....	Supply No. 1.....	2,480	10 00	12 40
August 4	W. Finn.....	Engine Co., No. 3	1,760	10 00	8 80
Sept. 5	J. Brohl.....	Engine Co., No. 3	1,795	10 00	8 97
5	J. Cox.....	Engine Co., No. 6	2,050	11 00	11 27
8	D. Sifferen.....	Engine Co., No. 5	1,220	18 00	7 32
August 27	A. Petrequin.....	Chemical No. 1.....	1,430	12 00	8 58
30	F. Johnson.....	Engine Co., No. 8	2,800	10 00	14 00
Sept. 26	C. Havelt.....	Supply No. 2.....	2,620	12 00	15 72
28	C. Havelt.....	H. & L. Co., No. 2	2,620	12 00	15 72
Oct. 1	C. Havelt.....	H. & L. Co., No. 1	2,800	12 00	16 80
Sept. 18	C. Havelt.....	Engine Co., No. 2	2,140	12 00	12 84
21	C. Havelt.....	Engine Co., No. 5	2,930	12 00	17 58
22	C. Havelt.....	Engine Co., No. 5	2,800	12 00	16 80
23	C. Havelt.....	Engine Co., No. 6	2,540	12 00	15 24
24	C. Havelt.....	Engine Co., No. 6	3,000	12 00	18 00
25	C. Havelt.....	Engine Co., No. 7	2,720	12 00	16 32
28	C. Havelt.....	Engine Co., No. 7	2,630	12 00	15 78
8	C. Shalden.....	Engine Co., No. 7	1,640	12 00	9 84
5	J. Brohe.....	Chemical No. 2.....	1,790	10 00	8 95

DATE.	FROM WHOM BOUGHT.	TO WHOM DELIVERED.	WEIGHT.	PRICE PER TON.	TOTAL.
Oct. 1	C. Havelt.....	Chemical No. 1.....	2,800	12 00	\$16 80
4	M. Bacon.....	Engine Co., No. 3	2,175	11 00	13 05
9	P. Tisen.....	Engine Co., No. 4	1,500	10 00	13 75
13	J. McFarlan.....	Engine Co., No. 1	1,900	12 00	10 22
Nov. 3	James Stringer.....	Supply No. 2.....	2,870	12 00	17 22
7	James Stringer.....	Supply No. 2.....	2,615	12 00	15 69
21	James Stringer.....	Supply No. 1.....	2,500	12 00	15 00
Oct. 31	James Stringer.....	H. & L. Co., No. 2	2,620	12 00	15 72
24	James Stringer.....	H. & L. Co., No. 2	3,205	12 00	19 32
Nov. 12	James Stringer.....	Engine Co., No. 3	1,980	12 00	11 88
Oct. 16	James Stringer.....	Engine Co., No. 4	2,440	12 00	14 64
Nov. 16	James Stringer.....	Engine Co., No. 4	2,720	12 00	16 32
Oct. 24	James Stringer.....	Engine Co., No. 8	2,780	12 00	16 32
20	James Stringer.....	Engine Co., No. 8	2,660	12 00	15 96
Nov. 19	James Stringer.....	Engine Co., No. 8	2,210	12 00	13 26
Oct. 18	James Stringer.....	Chemical No. 2.....	2,660	12 00	15 96
23	W. Shonheit.....	Engine Co., No. 3	2,800	12 00	16 80
Oct. 27	W. Shonheit.....	Engine Co., No. 5	3,000	12 00	18 00
22	W. Shonheit.....	Engine Co., No. 6	3,000	12 00	18 00
18	W. Shonheit.....	Engine Co., No. 7	2,800	12 00	16 80
Dec. 14	W. Shonheit.....	Supply No. 2.....	2,275	12 00	13 65
24	W. Shonheit.....	Supply No. 2.....	2,190	12 00	13 14
Nov. 13	W. Shonheit.....	H. & L. Co. No. 1..	2,340	12 00	14 04
Nov. 30	C. Kaiser.....	Engine Co., No. 2	1,280	12 00	8 28
Dec. 11	James Stringer.....	Chemical No. 1.....	2,485	12 00	14 91
14	James Stringer.....	Engine Co., No. 8	2,155	12 00	12 93
18	James Stringer.....	Engine Co., No. 8	2,220	12 00	13 32
1878.					
Jan. 10	Peter Beck.....	Engine Co., No. 2	1,385	12 00	8 31
89,106 tons. Average cost per ton, \$12.15.....			\$79,107		\$1,087 25

On hand as per inventory, February 1, 1877, 21 tons.

On hand as per inventory, February 1, 1878, 23 tons.

## HAY DELIVERED FROM FEBRUARY 1, 1877, TO JANUARY 1, 1878.

COMPANY	No. 1 Engine Company. Pounds.	No. 2 Engine Company. Pounds.	No. 3 Engine Company. Pounds.	No. 4 Engine Company. Pounds.	No. 5 Engine Company. Pounds.	No. 6 Engine Company. Pounds.	No. 7 Engine Company. Pounds.	No. 8 Engine Company. Pounds.	No. 1 Chemical. Pounds.	No. 2 Chemical. Pounds.	No. 1 H. & L. Company. Pounds.	No. 2 H. & L. Company. Pounds.	No. 1 Supply. Pounds.	No. 2 Supply. Pounds.
	1,886 2,186 1,900	1,700 1,050 1,350 2,140 1,360 1,385	2,498 1,780 2,780 1,760 1,795 1,175	2,460 5,270 1,350 2,500 2,440 2,780	3,035 1,220 2,930 2,800 2,800 3,000	1,875 2,610 2,460 2,610 2,615 2,050 2,540 3,000 3,000	2,060 1,640 2,780 2,730 2,800 2,800	2,475 3,015 2,405 2,800 2,720 2,600 2,210 2,250	1,750 2,530 1,430 2,400 2,400 580	2,430 2,420 1,790 2,500 2,400	2,440 1,380 2,340 2,800	2,600 2,620 3,250	1,755 2,685 1,465 2,480 2,465	2,690 2,670 2,115 2,275
Total bought.....	59 66	9,005	14,600	16,740	15,785	20,966	12,750	22,655	10,985	9,300	8,960	8,445	10,285	12,570
Inventory February 1, 1877.....	500	3,000	1,600	4,000	4,000	.....	3,000	8,500	.....	2,000	9 00	8,000	500	6,000
Total.....	6,466	12,005	16,200	20,740	19,785	20,966	15,750	31,155	10,985	11,300	9,860	16,445	10,785	18,570
Deduct inventory February 1, 1878.....	400	800	.....	2,000	7,000	2,000	4,000	14,000	.....	1,000	1,800	6,000	1,000	6,000
Amount used.....	6,066	11,205	16,200	18,740	12,785	18,966	11,750	17,155	10,985	10,300	7,060	10,445	9,785	12,570

## Oats Purchased and Delivered from February 1, 1877, to January 1, 1878.

DATE.	FROM WHOM BOUGHT.	TO WHOM DELIVERED.	BUSHEL.	PRICE.	TOTAL.
				Cts.	
1877.					
Feb. 9	H. Rice.....	H. & L. Co., No. 1	413½	45	\$18 61
6	G. C. Harrison .....	Engine Co., No. 5	102½	46	47 03
6	D. Bassett.....	Engine Co., No. 5	109¾	45	49 38
5	W. S. Smith.....	Engine Co., No. 6	94	45	42 30
5	W. S. Smith.....	Engine Co., No. 7	88	45	39 60
5	W. S. Smith.....	Engine Co., No. 8	82	45	36 90
21	G. H. Jackson.....	Engine Co., No. 1	16½	44	7 09
21	G. H. Jackson.....	H. & L. Co., No. 1	46	44	20 24
April 24	T. Thorley.....	Engine Co., No. 4	43¾	48	20 76
30	J. Sticker.....	Chemical No. 2.....	50	56	28 00
May 1	J. Sticker.....	Engine Co., No. 7	100	56	56 00
23	C. Havelt.....	H. & L. Co., No. 2	103½	52	53 89
17	G. M. Fuller.....	Supply No. 1.....	94	52	48 88
25	H. Wilcox.....	Supply No. 2.....	125½	51	63 81
25	G. M. Fuller.....	Engine Co., No. 4	103½	50	51 82
30	H. Wilcox.....	Engine Co., No. 2	126	48	60 48
30	H. Wilcox.....	Engine Co., No. 5	130	48	62 40
31	G. M. Fuller.....	Engine Co., No. 3	129	50	64 50
31	J. Jackson.....	Engine Co., No. 5	68¾	46	31 40
April 30	J. Sticker.....	Chemical No. 2.....	49	56	27 44
June 7	J. Trowbridge.....	Engine Co., No. 8	82	47	38 54
15	J. Stringer.....	Chemical No. 2.....	50	50	25 00
27	G. Codde.....	Supply No. 1.....	28¾	44	12 65
27	James Stringer.....	Chemical No. 1.....	34	50	17 00
25	Peter Reid.....	H. & L. Co., No. 1	29	47	13 63
August 1	J. W. Simmons.....	Engine Co., No. 6	74½	41	30 44
1	R. W. Wübler.....	Engine Co., No. 6	78½	41	32 28
July 25	J. Van Buskirk.....	Engine Co., No. 7	52¾	41	21 63
27	W. Dunley.....	Engine Co., No. 7	106½	41	43 56
Sept. 5	W. H. Shields.....	H. & L. Co., No. 2	101½	31	31 46
5	F. A. Secord.....	Engine Co., No. 4	124½	31½	39 10
12	J. C. Beatty.....	Chemical No. 2.....	61	32	19 52
12	John Stevens.....	Supply No. 2.....	83¾	32	26 68
14	L. B. Cox.....	Supply No. 2.....	89	32	28 48
12	D. Knaggs.....	Engine Co., No. 1	75¾	33	24 99
24	John Stevens.....	Engine Co., No. 4	65¾	32	21 08
20	N. Quillin.....	Engine Co., No. 6	37½	32	12 00
20	W. McCarter.....	Engine Co., No. 6	112½	32	35 88
21	C. Merriman.....	Engine Co., No. 6	92½	31	28 64
19	J. R. Hurlburt.....	Engine Co., No. 8	46¾	32	14 84
19	N. Quilling.....	Engine Co., No. 8	64¾	32	20 76
Oct. 12	D. Barwise.....	Chemical No. 2.....	51	32	16 32
Oct. 15	Geo. Sherman.....	Supply No. 1.....	98	29	28 42
Dec. 12	H. Miers.....	Engine Co., No. 3	44¾	31	13 87
12	E. C. Render.....	Engine Co., No. 3	38¾	30	11 62
13	N. Nell.....	Engine Co., No. 3	50	31	15 50
12	B. Hibbard.....	Engine Co., No. 7	100	31	31 00
12	J. Bentley.....	Chemical No. 1.....	61	31	18 91
13	J. M. Leet.....	Chemical No. 1.....	43¾	30	13 13
1878.					
Jan. 17	John Gill.....	Engine Co., No. 2	152½	30	45 75
1877.					
Sept 24	J. Broderick.....	Large bin S. No. 1	86½	33	28 54
24	C. Briggs.....	" S. No. 1	118	30	35 40
24	A. Sickmind.....	" H. & L. No. 1	51	30	15 30
24	C. H. Scott.....	" H. & L. No. 1	84¾	30	25 42
25	W. W. White.....	" H. & L. No. 1	95	30	28 50
25	J. Shaw.....	" E. No. 1	108	30	32 40
26	R. J. Lathers.....	" E. No. 1	56¾	30	17 02
26	E. Harlow.....	" C. No. 1	101½	30	30 38
26	W. Swartz.....	" C. No. 1	82½	29½	24 34

Average cost per bushel \$39.16.

4.614%

\$1,802 51

On hand as per inventory, February 1, 1877, 1,475 bushels.

On hand as per inventory February 1, 1878, 1,285½ bushels.





**Straw for House Bedding purchased and delivered from  
February 1, 1877, to January 31, 1878.**

DATE.	FROM WHOM BOUGHT.	TO WHOM DELIVERED.	BUNDLES.	PRICE.	TOTAL.
				Cts.	
1877.					
April 4	George Zonn.....	Engine Co., No. 6	124	3	\$3 72
4	George Young.....	H. & L. Co., No. 1	77	3	2 31
June 9	John Jenkins.....	H. & L. Co., No. 2	50	5	2 50
Oct. 27	Peter Madalin.....	Chemical No. 2.....	100	3	3 00
27	Peter Madalin.....	Engine Co., No. 3	150	3	4 50
27	Peter Madalin.....	Engine Co., No. 4	150	3	4 50
27	Peter Madalin.....	Engine Co., No. 8	150	3	4 50
30	Peter Beck.....	Engine Co., No. 1	150	3	4 50
30	Peter Beck.....	Engine Co., No. 2	150	3	4 50
30	Peter Beck.....	Engine Co., No. 5	150	3	4 50
30	Peter Beck.....	Engine Co., No. 6	150	3	4 50
30	Peter Beck.....	Engine Co., No. 7	150	3	4 50
30	Peter Beck.....	H. & L. Co., No. 1	150	3	4 50
30	Peter Beck.....	Chemical No. 1.....	50	3	1 50
Dec. 3	Peter Beck.....	Chemical No. 1.....	100	3	3 00
3	Peter Beck.....	Chemical No. 2.....	100	3	3 00
3	Peter Beck.....	Engine Co., No. 1	100	3	3 00
3	Peter Beck.....	Engine Co., No. 2	100	3	3 00
3	Peter Beck.....	Engine Co., No. 3	200	3	3 00
3	Peter Beck.....	Engine Co., No. 4	100	3	3 00
3	Peter Beck.....	Engine Co., No. 5	100	3	3 00
3	Peter Beck.....	Engine Co., No. 6	100	3	3 00
3	Peter Beck.....	Engine Co., No. 7	100	3	3 00
3	Peter Beck.....	Engine Co., No. 8	100	3	3 00
3	Peter Beck.....	H. & L. Co., No. 1	100	3	3 00
3	Peter Beck.....	H. & L. Co., No. 2	100	3	3 00
Stored in store house B.....			2,951	.....	\$89 53

**Straw for Horse Bedding purchased and delivered from  
February 1, 1877, to January 31, 1878.**

DATE.	FROM WHOM BOUGHT.	TO WHOM DELIVERED.	WEIGHT.	PRICE PER TON.	TOTAL.
1877.					
Feb. 1	John Stringer.....	Engine Co., No. 7	2,250	\$8 00	\$9 00
1	John Stringer.....	Supply No. 1.....	1,960	8 00	7 84
5	John Stringer.....	Supply No. 2.....	2,180	8 00	8 48
12	Anton Komuski.....	Engine Co., No. 6	635	8 00	2 55
24	John Stringer.....	Chemical No. 2.....	2,490	10 00	12 45
			9,455		\$40 32

**Shavings for Horse Bedding purchased and delivered from  
February 1, 1877, to January 31, 1878**

Engine Co., No. 1.	Engine Co., No. 2.	Engine Co., No. 3.	Engine Co., No. 4.	Engine Co., No. 5.	Engine Co., No. 6.	Engine Co., No. 7.	Engine Co., No. 8.	Chemical, No. 1.	Chemical, No. 2.	H. & L. Co., No. 1.	H. & L. Co., No. 2.	Supply, No. 1.	Supply, No. 2.
4	3	4	3	4	4	2	5	1	3	1	3	1	3
41 loads. Cost, \$82.00.													

**Bran bought and delivered from Feb. 1, '77, to Jan. 31, '78.**

Engine No. 1. Pounds.	Engine No. 2. Pounds.	Engine No. 3. Pounds.	Engine No. 4. Pounds.	Engine No. 5. Pounds.	Engine No. 6. Pounds.	Engine No. 7. Pounds.	Engine No. 8. Pounds.	Chemical No. 1. Pounds.	Chemical No. 2. Pounds.	H. & L. No. 1. Pounds.	H. & L. No. 2. Pounds.	Supply No. 1. Pounds.	Supply No. 2. Pounds.
100	100	100	100	100	100	200	100	100	100	100	200	100	200
100	100	100	.....	100	200	200	.....	100	100	100	200	.....	200
100	100	100	.....	100	.....	200	.....	100	.....	100	200	.....	100
100	100	100	.....	.....	.....	200	.....	.....	.....	100	.....	.....	.....
100	100	100	.....	.....	.....	.....	.....	.....	.....	100	.....	.....	.....
100	100	100	.....	.....	.....	.....	.....	.....	.....	100	.....	.....	.....
100	100	100	.....	.....	.....	.....	.....	.....	.....	100	.....	.....	.....
.....	100	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	100	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	100	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
800	1,200	900	100	400	600	1,000	200	400	200	700	800	200	500

8,000 pounds. Cost, \$81.50.

**Carrots bought and delivered from Feb. 1, '77, to Jan. 31, '78.**

Engine No. 1. Bushels.	Engine No. 2. Bushels.	Engine No. 3. Bushels.	Engine No. 4. Bushels.	Engine No. 5. Bushels.	Engine No. 6. Bushels.	Engine No. 7. Bushels.	Engine No. 8. Bushels.	Chemical No. 1. Bushels.	Chemical No. 2. Bushels.	H. & L. No. 1. Bushels.	H. & L. No. 2. Bushels.	Supply No. 1. Bushels.	Supply No. 2. Bushels.
5	10	10	10	10	10	10	10	10	10	10	10	10	10
135 bushels. Cost, 33.75.													

## Hard Coal bought and delivered from Feb. 1, '77, to Jan. 31, '78

Engine No. 1. Tons.	Engine No. 2. Tons.	Engine No. 3. Tons.	Engine No. 4. Tons.	Engine No. 5. Tons.	Engine No. 6. Tons.	Engine No. 7. Tons.	Engine No. 8. Tons.	Chemical No. 1. Tons.	Chemical No. 2. Tons.	H. & L. No. 1. Tons.	H. & L. No. 2. Tons.	Supply No. 1. Tons.	Supply No. 2. Tons.
55	31	27	24	22	18	19	25	.....	13	10	13	4	4
271 tons.													

## Soft Coal bought and delivered from Feb. 1, '77, to Jan. 31, '78.

Engine No. 1. Tons.	Engine No. 2. Tons.	Engine No. 3. Tons.	Engine No. 4. Tons.	Engine No. 5. Tons.	Engine No. 6. Tons.	Engine No. 7. Tons.	Engine No. 8. Tons.	Chemical No. 1. Tons.	Chemical No. 2. Tons.	H. & L. No. 1. Tons.	H. & L. No. 2. Tons.	Supply No. 1. Tons.	Supply No. 2. Tons.
4	4	2	4	6	10	6	6	.....	.....	.....	.....	5	9
56 tons.													

## Hose in Use and on Hand February 1, 1878.

WHERE LOCATED.	QUANTITY.	WHEN BOUGHT.	KIND.	MADE BY.
Engine No. 1	1,600	June, 1877.....	Canvas, Rubber Lined.....	Eureka Mnfr. Co.
Engine No. 2	1,600	July, 1876.....	Canvas, Rubber Lined.....	Eureka Mnfr. Co.
Engine No. 2	50	July, 1876.....	Canvas, Rubber Lined.....	Boyd Mnfr. Co.
Engine No. 3	800	October, 1876.....	Rubber.....	G. P. & R. Mnfr. Co.
Engine No. 4	993	October, 1876...	Leather.....	J. Gates & Son.
Engine No. 4	50	September, 1877	Leather.....	Carlton.
Engine No. 4	770	September, 1871	Leather.....	S. Y. Greer.
Engine No. 4	567	September, 1870	Leather.....	S. Y. Greer.
Engine No. 5	1,600	June, 1877.....	Canvas, Rubber Lined.....	Eureka Mnfr. Co.
Engine No. 6	200	October, 1876.....	Rubber.....	G. P. & R. Mnfr. Co.
Engine No. 6	150	November, 1875	Rubber.....	G. P. & R. Mnfr. Co.
Engine No. 6	600	November, 1875	Rubber.....	N. Y. B. & P. Co.
Engine No. 7	850	October, 1875.....	Leather.....	J. Gates & Son.
Engine No. 7	500	September, 1871	Leather.....	S. Y. Greer.
Engine No. 7	450	September, 1870	Leather.....	S. Y. Greer.
Engine No. 8	800	November, 1875	Rubber.....	G. P. & R. Mnfr. Co.
Supply No. 2	1,000	September, 1877	Canvas, Rubber Lined...	Eureka Mnfr. Co.
Supply No. 2	800	July, 1875.....	Leather.....	J. Gates & Son.
Supply No. 2	612	1875-6.....	Rubber.....	N. Y. B. & P. Co.
Supply No. 2	762	1869-70.....	Leather.....	S. Y. Greer.
.....	14,754	.....	.....	.....

Canvas.....	5,850 feet.
Rubber.....	3,162 "
Leather.....	5,742 "
Total.....	14,754 "

# SUPPLY ACCOUNT FROM FEBRUARY 1, 1877, TO JANUARY 31, 1878.

	On hand.	Purchased.	Total.	No. 1 Engine.	No. 2 Engine.	No. 3 Engine.	No. 4 Engine.	No. 5 Engine.	No. 6 Engine.	No. 7 Engine.	No. 8 Engine.	No. 1 Chemical.	No. 2 Chemical.	No. 1 H. & L.	No. 2 H. & L.	No. 1 Supply.	No. 2 Supply.	On hand.	Total.
Oxalic Acid, lbs.	13 1/2	18 50	31 1/2	3	2	1	1	2	1 1/2	1	1 1/2	1 1/2	2	1/2	3	.....	.....	3 1/2	58 1/2
Sulphuric Acid, lbs.	.....	25 13	25 13	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25 13
Asphaltum gals.	.....	15 35 1/2	15 35 1/2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 35 1/2
L. H. Brushes	7 1/2	42 31	49 1/2	.....	4	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51 1/2
Common Brushes.	11	.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
Store Brushes.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Counter Brushes	2	12 13	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
Horse Brushes	13	24 37	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37
Lamp Burners.	11	.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
Rattan Brooms.	13	.....	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
Corn Brooms.	11	132	143	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	143
Rubber Bands	10	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
Brass Bands	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Bed Ticks.	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Curry Combs.	10	24 34	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
H. C. Candles.	98	.....	98	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	98
Oil Cans.	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Chamois Skins.	10	24 34	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
Coal Scuttles.	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Emery Cloth.	4	252 18	256	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	256
Glass Globes.	63	6 60	66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66
Hose Slices.	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Ax Handles.	28	.....	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
India Ink.	6	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Common Ink.	22	10 11	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
Lamp Black.	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Tin Lamps.	20	.....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
Brass Lamps.	.....	12 12	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
Matches, boxes.	2	264 266	266	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	266
Engine Matches, boxes.	2234	166 2400	2400	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2400
Mucilage.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flax Meal, lbs.	71	591 662	662	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	662
Nails, lbs.	160	500 660	660	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	660
Kerosene Oil, gallons.	33	400 433 1/2	433 1/2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	433 1/2
Lard Oil, Gallons.	26	194 220 1/2	220 1/2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	220 1/2

## SUPPLY ACCOUNT FROM FEBRUARY 1, 1877, TO JANUARY 31, 1878. (Continued.)

	On hand.	Purchased.	Total.	No. 1 Engine.	No. 2 Engine.	No. 3 Engine.	No. 4 Engine.	No. 5 Engine.	No. 6 Engine.	No. 7 Engine.	No. 8 Engine.	No. 1 Chemical.	No. 2 Chemical.	No. 1 H. & L.	No. 2 H. & L.	No. 1 Supply.	No. 2 Supply.	On hand.	Total.
Castor Oil gal.....	1	5	58 1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1	1	1	1/2	1/2	1/2	1/2	1/2
Boiled Oil.....	1	1	16 1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1	1	1	1/2	1/2	1/2	1/2	1/2
Pillow Slips.....	63	167	450 1/2	12	12	12	12	12	12	12	12	1	1	1	1/2	1/2	1/2	1/2	1/2
Horse Pails.....	1	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Water Pails.....	7	12	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rags, lbs.....	220	108	1298	135	110	50	60	85	1	100	1	59	4	3	3	1	1	1	1
Rotten Stone.....	35	25	60	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stove Polish.....	60	69	129	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Common Soap, bars.....	97	700	797	78	78	42	36	30	42	30	36	51	18	30	42	1	1	1	1
Castile Soap, bars.....	1	54	57	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bed Sheets.....	1	88	89	11	12	5	6	1	1	1	1	1	1	1	1	1	1	1	1
Ladder Straps.....	5	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iron Spanners.....	10	1	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sponges, oz.....	32	480	512	25	20	35	35	12	16	28	30	22	30	31 1/2	48	12	6	12 1/2	144
Line "Snaps".....	144	144	288	4	4	4	4	8	10	4	4	8	10	4	10	2	2	49 1/2	144
Line "Snaps".....	12	72	84	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12 1/2	12
Fine Salt, bus.....	12	12	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12 1/2	12
Natrona Soda.....	1680	1680	3360	1	1	1	1	1	1	1	1	784	672	1	211	1	1	112	1680
Sprinkling Pots.....	2	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
Mich. Tripoli.....	325	325	650	6	6	10	10	10	10	15	10	1	1	10	10	1	1	254	325
Tacks.....	13	24	37	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	37
Roller Towels.....	17	46	63	10	5	2	6	4	4	3	2	2	2	3	6	2	2	20	63
Turpentine.....	1/2	5	5 1/2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5 1/2
Hose Washers.....	1	13	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	14
Brass Wrenches.....	1	75	76	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100	136
Engine Washers.....	8	50	58	1	1	1	1	1	1	1	1	1	1	1	1	1	1	52	58
Waste.....	10	50	60	60	60	2	2	2	2	2	2	2	2	2	2	2	2	14	58
Whips.....	2	19	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	21	21
Balls Lamp Wick, lbs.....	11	10	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7 1/2	21
Lamp Wick.....	11	24	35	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12 1/2	35
Kindling Co.....	22 1/2	9	28 1/2	4	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	1	1	2	3	1	1	7	28 1/2
Hemp Packing, lbs.....	10	11	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15 1/2	21
Comb Packing, lbs.....	10	11	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15 1/2	21
Valve Springs.....	1	64	65	1	1	1	1	1	1	1	1	1	1	1	1	1	1	65	65
Coarse Salt, bus.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
Pat Snaps.....	12	12	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	24

## SUPPLY ACCOUNT FROM FEBRUARY 1, 1877, TO JANUARY 31, 1878. (Continued.)

	On hand.	Purchased.	Total.	No. 1 Engine.	No. 2 Engine.	No. 3 Engine.	No. 4 Engine.	No. 5 Engine.	No. 6 Engine.	No. 7 Engine.	No. 8 Engine.	No. 1 Chemical.	No. 2 Chemical.	No. 1 H. & L.	No. 2 H. & L.	No. 1 Supply.	No. 2 Supply.	On hand.	Total.
Pat Snaps.....	12	12	12															8	12
Soft Soap.....	35	35	35					20											35
Rubber Valves.....	8	48	56					4			10		5					42	56
Harness Hooks.....	8		8																8
Cross H Boxes.....	4	2	6																6
Heater Grates.....	6	2	8															5	8
Engine Grates.....	2	1	3															1	3
Hard Coal, tons.....	271	271	542	1		27	24	22	18	16	25		13	10	19	4	4		271
Soft Coal, tons.....	56	56	112			2	4	6	10	6	6								112
Hay, tons.....	86½	86½	173			4	4	4	10½	6½	11½	5½	4½	4½	4½	5½	6½		173
Oats, bush.....	723½	4014½	5338½			387½	336½	485½	489	447	385½	255½	211½	700	800	200	297½	783½	5338½
Brans, lbs.....	800	800	1600			900	100	400	600	1000	200	400	200	700	800	200	500	8000	8000
Carrots, bush.....	135	135	270			10	10	10	10	10	10	10	10	10	10	10	10		135
Shavings, loads.....	41	41	82			3	3	4	4	2	5	1	3	1	3	1	3		41
House B. Straw, lbs.....	9455	9455	18910			150	150	150	635	2250	50		2490	277	50	1900	2120	9455	18910
Horse B. Straw, bds.....	2951	2951	5902			150	150	150	274	150	50		100	277	50			2951	5902

All of which is respectfully submitted.

JAMES R. ELLIOTT,  
*Assistant Chief Engineer and Supply Agent.*

FEBRUARY 1, 1878.

ELEVENTH ANNUAL REPORT  
OF  
THE CHIEF ENGINEER.

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CHIEF ENGINEER'S OFFICE, }  
DETROIT, January 31, 1878. }

*To the Honorable the Board of Fire Commissioners :*

GENTLEMEN—I have the honor to submit herewith my Eleventh Annual Report to your Honorable Body, giving a declared account of each fire, the losses and insurance, and the valuation of property endangered during the year.

In the year past this Department responded to 240 fires and alarms, 190 of which were fires and 50 were alarms, an increase of seven fires and alarms over the year previous.

The total loss for the past fiscal year was \$238,832. Nearly one-half of this loss was occasioned by seven fires, which are briefly summarized as follows, viz :

I am pleased to be able to state that not one of these was a total loss.

A show case factory situated on the corner of Fort and Beaubien streets, had a dry kiln in the basement, and the building throughout was filled with lumber from floor to ceiling, which rendered great obstruction to the streams and made it impossible to reach the dry kiln which was the seat of the fire, and it was consequently beyond the best efforts of this Department to prevent a greater loss. At this fire three firemen nearly lost their lives. It occasioned a loss of \$22,740.

Charles Tegler's planing mill, on High street, between Beaubien and Antoine streets, a large wooden structure, caught fire at midnight and was consumed. The Department was enabled by the greatest effort to save a quantity of lumber and several dwellings in the vicinity which were in flames when the Department reached the scene. This fire caused a loss of \$16,000.

In the same month the passenger steamboat "R. N. Rice" caught fire at the landing, foot of Shelby street. It originated in the after cabin, supposed to be from kerosene oil, and before the watchman had time to give an alarm the boat was in flames. The Department was enabled to save the boat from total destruction. The loss was \$41,902. The valuation of the boat \$75,000.

In July the Theater Comique was destroyed, involving a loss of \$12,000, and in September the three-story building situated on the corner of Randolph and Woodbridge streets, occupied as a bakery, was damaged to the amount of \$9,700. It is supposed that this fire was occasioned by spontaneous combustion, from lard and sawdust with which the floors were covered.

During the same month Hiram Walker's building, occupied by several small manufactories, caught fire. The third floor of the central building, where the fire originated, was occupied as a cabinet shop. The flames had gained severe headway, but by energetic action the Department were enabled to save the machinery on the lower floors and adjoining property, with a loss of only \$7,727.

On January 13th, of the present year, Barnes Bros. paper warehouse, No. 141 Jefferson avenue, caught fire on the first floor, near the elevator; it being open at the time nothing prevented the spread of the fire to the roof through each story, so that when the Department reached the scene the flames had penetrated every story in the building. The Department was able to save the building, but its contents were destroyed, being paper, chiefly by water.

In this instance a salvage corps, which is so much needed in this city, would have saved at least \$30,000. The loss by fire on the building was only \$1,100, and the total loss caused by fire and water was \$32,775.



It affords me gratification to state that all other losses during the year were comparatively small, and no better commendation than this can be stated to testify to the efficiency, energy and promptness of the force I have the honor to command.

I very respectfully renew my former recommendations as regards to another hook and ladder company in the northern part of the city. In fact there should be two: one on Gratiot avenue, near Riopelle street, and one on Grand River avenue, corner of Sixth street. This would fill a great requirement rendered by the growth of the city.

My acknowledgments are due Chief Rogers, of the Metropolitan Police, and his efficient officers and force, for valuable services rendered the Department at fires.

I would also acknowledge the valuable and efficient support I have received from my assistants, Messrs. Elliott and Gascoigne.

Thanking you, gentlemen, for many courtesies extended to the officers and men of the Department,

I have the honor to be,

Very respectfully, etc.,

(Signed)

JAMES BATTLE,

*Chief Engineer.*

## DETAILED STATEMENT OF FIRES, LOSSES, ETC.

### FEBRUARY.

3d—At 8.40 P. M. Still alarm, box 16. No. 194 Jefferson Avenue. Brick tailor shop owned by J. H. Leshner. Cause: ash box. Ladderman O'Neil. Put out by small Babcock. No loss.

4th—At 8.20 P. M., box 315. In Springwells. Frame dwelling owned by Francis Halvey. Cause: defective chimney. Companies attending: 4, 8, and H. & L. N. 1. Engineer commanding: Assistant Chief. Losses, &c., unknown.

7th—At 11.20 P. M., tower 64. No. 161 Wilkins street. Frame dwelling owned by A. Naski. Cause: defective chimney. Companies attending: 3, 6, and H. & L. 2. Engineer commanding: Assistant Chief. Loss, \$605. Insurance, \$1,500. Valuation, \$1,800.

12th—At 9.20 A. M., box 154. No. 399 Michigan avenue. Brick store and dwelling owned by John Robinson. Cause: defective stove pipe. Companies attending: 1, 8, and H. & L. 2. Engineer commanding: District. Loss, \$77. Insurance, \$2,000. Valuation, \$4,000.

13th—At 3.10 A. M., tower 52. No. 98 Mullett street. Frame dwelling owned by Samuel Freedman. Cause: incendiary. Companies attending: 2, 6, and H. & L. 2. Engineer commanding: Assistant. Loss, \$575. Insurance, \$1,450. Valuation, \$1,600.

13th—At 5.35 P. M., box 252. No. 881 Woodbridge street, west. Frame dwelling owned by Thomas Bigley. Cause: over-heated stove. Companies attending: 4, 8 and H. & L. 1. Engineer commanding: District. Loss, \$45. Insurance, \$1,500. Valuation, \$2,000.

14th—At 1.40 A. M., tower 64. No. 597 Hastings street. Frame dwelling owned by Frederick Witte. Cause: defective chimney. Companies attending: 2, 6, 9, and H. & L. 2. Engineer commanding: Assistant Chief. Loss, \$991. Insurance, \$1,000. Valuation, \$2,000.

14th—At 7.40 A. M., box 7. No. 104 Washington avenue. Frame dwelling owned by J. G. Dickinson. Cause: defective chimney. Companies attending: 1, 2, 3, C 1, and H. & L. 1, 2. Engineers attending: Chief, Assistant Chief, and District. Loss, \$845. Insurance, \$1,100. Valuation, \$1,800.

16th—At 3.35 P. M., box 214. No. 158 16th street. Frame dwelling owned by Patrick Noonan. Cause: burning chimney. Companies attending: 4, 8, and H. & L. 1. Engineer commanding: District.

19th—At 10.20 P. M., box 154. Beach street near 6th. Burning straw by Patrick Sullivan. Companies attending: 1, 8, and H. & L. 1. Engineers commanding: Assistant Chief and District.

21st—At 10.15 P. M., tower 54. Rear northwest corner of Orleans and Gratiot streets. One story frame dwelling owned by A. Lingerman. Cause: incendiary. Companies attending: 5, 6, 7, and H. & L. 2. Officer commanding: Foreman No. 6. Loss, \$200. Insurance, \$600. Valuation, \$800.

24th—At 9.15 P. M., tower 216. In Springwells. Frame dwelling owned by C. Simmler. Cause: lamp explosion. Companies attending: 4, 8, and H. & L. 1.

24th—At 9.45 P. M., box 16. No. 13 Woodward avenue. Four story brick wholesale grocery store owned by McKenna & Radcliff. Cause: careless use of matches. Companies attending: 1, 2, 3, 5, C 1, and H. & L. 1, 2. Engineers attending: Chief, Assistant Chief, and District. Loss, \$3,757. Insurance, \$23,000. Valuation, \$33,000.

26th—At 12.20 P. M., box 212. No. 799 Michigan avenue. Two story brick dwelling owned by George C. Reed. Cause: sparks from chimney. Companies attending: 4, 8, and H. & L. 1. Engineers attending: Chief and District. Loss, \$65. Insurance, \$3,000. Valuation, \$8,500.

26th—At 6.55 P. M., box 63. Georgia near Orleans street. One story frame dwelling owned by A. Werox. Cause: accidental from stove. Companies attending: 5, 6, and H. & L. 2. Engineers attending: Assistant Chief. Loss, \$500. Insurance, \$500. Valuation, \$800.

26th—At 7.10 P. M., box 142. No. 468 Sixth street. Two story frame dwelling owned by B. Wilkins. Cause: lamp explosion. Companies attending: 3, 8, 9, and H. & L. 1. Engineers commanding: District. Loss, \$800. Insurance, \$1,500. Valuation, \$2,000.

26th—At 9.25 P. M., box 51. No. 225 Russell street. One story frame shed owned by C. Kast. Cause: defective chimney. Companies attending: 2, 5, 6, and H. & L. 2. Engineer commanding: Assistant Chief. Loss, \$25. Insurance, \$200. Valuation, \$300.

27th—At 9.40 A. M., box 4. No. 84 Woodward avenue. Brick offices owned by C. H. Pond. Cause: smoke from fumigation. Companies attending: 1, 2, 3, 5, C 1, and H. & L. 1, 2. Engineers attending: Chief, Assistant Chief, and District.

28th—At 3.05 P. M., box 36. No. 319 Lafayette street. Frame dwelling owned by M. White. Cause: wood box. Companies attending: 2, 5, and H. & L. 2. Engineers attending: Chief and Assistant.

#### SUMMARY OF LOSS, INSURANCE AND VALUATION FOR THE MONTH OF FEBRUARY.

Loss, \$7,765. Insurance, \$37,350. Valuation, \$53,600.

### MARCH.

2d—At 12.20 P. M., box 174. No. 166 Tillman avenue. One story frame dwelling owned by Frank Bailk. Cause: defective chimney. Companies attending: 4, 8, and H. & L. 1. Engineer commanding: Assistant Chief. Loss, \$10. Insurance \$500. Valuation, \$800.

7th—At 10.05 P. M., tower 27. No. 207 Wight street. Two story frame dwelling, unoccupied, owned by M. Connelly. Cause: incendiary. Companies attending: 3, 7, and H. & L. 2. Engineer commanding: Assistant Chief. Loss, \$304. Insurance, \$1,500. Valuation, \$2,000.

9th—At 12.55 A. M., box 42. No. 359 Croghan street. Two story frame shoe shop and dwelling owned by Ovid Deshayes. Loss, \$2,867. Insurance, \$3,200. Valuation, \$4,000. No. 357 Croghan street. Three story brick owned by Gillett & Hall, and occupied by George G. Jones as general store. Loss, \$337. Insurance, \$4,000. Valuation, \$6,000. No. 361 Croghan street. Two story frame dwelling owned and occupied by John L. Martin. Loss, \$150. Insurance, \$1,000. Valuation, \$2,000. Companies attending: 5, 6, 7, and H. & L. 2. Engineers commanding: Assistant Chief.

9th—At 11.30 P. M., tower 62. Corner St. Aubin avenue and Georgia street. One story frame dwelling owned by Felix Rohrer. Cause: lamp explosion. Companies attending: 6, 7, and H. & L. 2. Engineer commanding: Assistant Chief. Loss, \$712. Insurance, \$1,400. Valuation, \$1,600.

18th—At 8.15 P. M., box 45. No. 496 Clinton avenue. One story frame dwelling owned by Henry Ryan. Cause: over-heated stove. Companies attending: 6, 7, and H. & L. 2. Engineer commanding: Assistant Chief. Loss, \$20. Valuation, \$25. No insurance. G. J. Kelly, ladderman H. & L. 2, injured by upsetting truck. Off duty 7 days.

15th—At 6.45 P. M., box 61. House of Correction. Three story brick prison owned by City of Detroit. Cause: spontaneous combustion. Companies attending: 5, 6, and H. & L. 2. Engineer commanding: Assistant Chief. Loss, \$100. Valuation, \$10,000. No insurance.

15th—At 10.05 P. M., tower 26. Foot of Joseph Campau avenue. One story frame boat house and boats owned by Excelsior Boat Club. Cause: incendiary. Companies attending: 5, 7, and H. & L. Engineer commanding: Assistant Chief. Loss, \$600. Insurance, \$275. Valuation, \$800.

16th—At 10.30 P. M., tower 62. No. 19 Scott street. One story frame dwelling owned by Frank Korlisky. Cause: defective chimney. Companies attending: 6, 7, and H. & L. 2. Officer commanding: Assistant Chief. Loss, \$690. Insurance, \$750. Valuation, \$1,000.

17th—At 11.30 A. M., box 7. Corner Washington avenue and Clifford street. Brick Synagogue owned by Bethel Temple. Cause: defective furnace. Companies attending: 1, 2, 3, C. 1, and H. & L. 1, 2. Number of officers present: 3. Officer commanding: District Engineer. Loss, \$100. Insurance, \$12,000. Valuation, \$20,000.

17th—At 8.55 P. M., box 146. Corner Celia and Thirteenth streets. One story frame dwelling. Unoccupied. Owned by John Funkee. Cause: incendiary. Companies attending: 8, 9, and H. & L. 1. Number of officers present: 2. Officer commanding: District Engineer. Loss, \$800. Insurance, \$700. Valuation, \$800.

18th—At 2.05 A. M., tower 213. No. 64 Tillman avenue. One story frame dwelling, unfinished, owned by James Teirney. Cause: over-heated stove. Companies attending: 4, 8, and H. & L. 1. Number of officers present: two. Officer commanding: Assistant Chief. Loss, \$500. Insurance, \$400. Valuation, \$500.

18th—At 2.35 P. M., box 234. Michigan Central Railroad crossing, foot of Eleventh street. Frame sleeping car owned by Wagner Palace Car Co. Cause: over-heated furnace. Companies attending: 1, 4, 8, and H. & L. 1. No. officers present: 1. Officer commanding: District Engineer. Loss, \$3,000. Insurance, \$6,000. Valuation, \$8,000.

18th—At 9.20 P. M., tower 64. No. 707 Hastings street. One story frame dwelling owned by S. Levendowsky. Cause: defective stove. No. officers present: 1. Officer commanding: Assistant Chief. Companies attending: 3, 6, and H. & L. 2. Loss, \$400. Insurance, \$500. Valuation, \$700.

21st—At 4.40 A. M., box 121. No. 367 Woodward avenue. Three story brick block of three stores owned by Henry M. Duffield. Loss, \$781. Insurance, \$12,000. Valuation, \$16,000. Two upper floors over three stores, occupied by Phoenix Club. Loss, \$400. Insurance, \$4,000. Valuation, \$5,000. H. Rosien occupied first floor and cellar as a bakery. Loss, \$800. Insurance, \$800. Valuation, \$1,000. Cause: over-heated oven. Companies attending: 3, 6, 9, and H. & L. 2. Number of officers present: 1. Officer commanding: Assistant Chief.

21st—At 4.45 P. M., box 125. No. 40 Brainard street. One and one-half story frame dwelling owned by Mrs. L. J. Blinn. Cause: unknown. Companies attending: 3, 9, and H. & L. 1. Number of officers present: 3. Officer commanding: Chief. Loss, \$90. Insurance, \$4,000. Valuation, \$2,500.

22d—At 11.45 P. M., box 54. No. 564 Gratiot avenue. One story frame dwelling owned by A. Abell. Cause: incendiary. Companies attending: 5, 6, 7, and H. & L. 2. Number of officers present: 1. Officer commanding: Assistant Chief. Loss, \$25. Insurance, \$500. Valuation, \$1,000.

23d—At 3.15 A. M., tower 62. No. 140 Margaret street. One story frame dwelling owned by Charles Theiler. Cause: defective stove pipe. Companies attending: 6, 7, and H. & L. 2. No. of officers present: 1. Officer commanding, Assistant Chief. Loss, \$700. Insurance, \$1,200. Valuation, \$1,500.

24th—At 12.05 P. M., box 7. No. 97 Washington avenue. Two story brick dwelling owned by M. J. Mills. Cause: chimney burning. Companies attending: 2, 3, C. 1, and H. & L. 1, 2. Foreman Kendall in command.

26th—At 8.15 P. M., box 312. Grand Trunk Junction. Brick dry kiln, owned by Michigan Car Co. Cause: overheating. Companies attending: 4 and 8. No. of officers present, 1. Officer commanding: Assistant Chief. Loss, \$300. Valuation, \$1,000. No insurance.

27th—At 3.05 A. M., box 12. No. 57 Michigan avenue. One story frame dwelling and saloon owned by O. H. Crawford. Loss, \$115. Insurance, \$850. Valuation, \$1,000. Occupied by R. Hunter. Loss, \$500. Insurance, \$800. Valuation, \$1,000. M. Cohen, No. 55 Michigan avenue. Occupied as cigar store. Loss, \$140. Insurance, \$700. Valuation, \$800. Companies attending: 1, 2, 3, 6, C. 1, and H. & L. 1, 2. No. officers present: 3. Officer commanding: District.

27th—At 7.45 P. M., box 215. No. 135 Sixteenth street. One story frame dwelling, owned by C. A. Cusan. Cause: over-heated stove. Companies attending: 1, 4, 8, and H. & L. 1. No. of officers present: 1. Officer commanding: District. Loss, \$500. Insurance, \$1,200. Valuation, \$1,600.

28th—At 7.30 A. M., box 322. Grand Trunk Junction. Brick dry kilns owned by Michigan Car Co. Cause: over-heating. Companies attending: 4, 8, and H. & L. 1. No. of officers present: 1. Officer commanding: Assistant Chief. Loss, \$300. Valuation, \$1,000. No insurance.

30th—At 1.30 A. M., tower 54. No. 388 Brewster street. One and one-half story frame dwelling owned by John Ardt. Cause: ashes. Companies attending: 5, 6, 7, and H. & L. 2. No. of officers present: 1. Officer commanding: Assistant Chief. Loss, \$500. Insurance, \$950. Valuation, \$1,200.

30th—At 7.05 A. M., box 52. No. 44 Sherman street. Two story frame dwelling owned by Albert G. Kruger, and occupied by 3 families. Cause: defective chimney. Companies attending: 2, 6, and H. & L. 2. No. of officers present: 2. Officer commanding: Chief. Loss, \$75. Insurance, \$1,000. Valuation, \$1,500.

30th—At 10.30 P. M., box 136. Corner of Cass avenue and Middle street. Two story brick stable owned by William Perkins. Cause: unknown. Companies attending: 1, 3, C. 1, and H. & L. 1. No. of officers present: 1. Officer commanding: Assistant Chief. Loss on building, \$1,007. Insurance, \$5,000. Loss on stock, \$383. Insurance, \$4,823. Loss on stock of groceries in barn, \$500. No insurance. Whole valuation, \$12,000.

#### SUMMARY OF LOSS, INSURANCE AND VALUATION FOR THE MONTH OF MARCH.

Loss, \$17,116. Insurance, \$69,948. Valuation, \$104,325.

### APRIL.

1st—At 1.10 A. M., box 16. No. 34 Atwater street. Three story brick cabinet and block manufactory owned by Hiram Walker. Cause: defective stove pipe. Companies attending: 1, 2, 3, 5, C. 1, and H. & L. 1, 2. No. of officers present: 3. Officer commanding: Chief. H. Walker's loss on building, \$350. Insurance, \$3,000. Detroit Block Works. Loss, \$25. Insurance, \$4,000. T. W. Dowling's loss, \$702. Insurance, \$800. Total valuation, \$10,000.

While working on this fire a 25 foot truss ladder belonging to H. & L. 1, broke with 5 men on it, and severely injured Daniel Carroll, pipeman Chemical No. 1, off duty 3 weeks. Also slightly injured James Brodrick, Foreman No. 2; William Harris, Assistant Foreman No. 2; John Damm and George V. Luce, Pipemen steamer No. 2.

1st—At 3.45 P. M., box 147. No. 105 Crawford street. Frame dwelling owned by Mrs. Gordon. Cause: burning chimney. Companies attending: 8, 9, and H. & L. 1. No. of officers present: 1. Officer commanding, District Engineer.

1st—At 10.05 P. M., box 6. No. 24 First street. Three story brick boarding house owned by Francis Riley; occupied by Mrs. Wiston. Cause: over-heated stove. Companies attending: 1, 2, 3, 8, C. 1, and H. & L. 1, 2. No. of officers present: 3. Officer commanding: District Engineer. Riley's loss: \$736. Insurance, \$3,000. Mrs. Wiston's loss: \$450. Insurance, \$800. Total valuation, \$6,000.

1st—At 11.30 P. M., tower 63. Corner Prospect and Illinois street. Two one story cottages, occupied as dwellings, owned by William B. Wesson. Cause: ashes. Companies attending: 5, 6, and H. & L. 2. Number of officers present: 1. Officer commanding: Assistant Chief. Loss, \$980. Insurance, \$1,350. Valuation, \$1,500.

8th—At 8.05 P. M., box 62. No. 92 Hale street. One story stand off. Frame dwelling, owned by J. Donitz. Cause: defective chimney. Companies attending: 6, 7, and H. & L. 2. No. of officers present: 1. Officer commanding: Assistant Chief. Loss, \$405. Insurance, \$750. Valuation, \$900.

8th—At 8.25 P. M., box 135. No. 133 Henry street. Frame dwelling owned by H. H. Emmons. Cause: defective fire place. Companies attending: 3, 9, and H. & L. 1. No. of Officers present: 1. Officer commanding, District Engineer. No loss.

9th—At 2.30 P. M., box 173. No. 400 Fourteenth street. One story frame cottage, occupied as dwelling, owned by Adolph Huth. Cause: coals from cook stove. Companies attending: 4, 8, and H. & L. 1. No. of officers present: 1. Officer commanding, District Engineer. Loss on building, \$30. Furniture, \$50. Insurance, \$500. Valuation, \$800.

11th—At 1.25 A. M., tower 154. No. 134 Fifth street. Two story frame dwelling and barn owned by N. G. Williams. Cause: defective chimney. Companies attending: 1, 8, and H. & L. 1. No. of officers present: 2. Officer commanding: District. Loss, \$89. Insurance, \$1,075. Valuation, \$2,000.

12th—At 8.25 A. M., box 43. No. 695 Clinton avenue. Frame dwelling owned by John Evans. Cause: chimney burning. Companies attending: 6, 7, and H. & L. 2. No. of officers present: 1. Officer commanding: Assistant Chief.

12th—At 9.25 P. M., tower 56. No. 332 Federal street. One story frame cottage, occupied as dwelling. Owned by H. Rodiker. Cause: lamp explosion. Companies attending: 6, 7, and H. & L. 2. Foreman Kendall in command. Loss, \$410. Insurance, \$650. Valuation, \$900.

13th—At 1.35 A. M., tower 131. Holden Road near Third avenue. Large frame un-occupied stables, owned by Harvey King. Cause: incendiary. Companies attending: 3, 9, and H. & L. 2. Foreman Kendall in command. Loss, \$600. Insurance, \$1,000. Valuation, \$4,500.

13th—At 11.15 P. M., tower 154, No. 235 Sixth street. Two story frame tenement house, owned by Andrew Healey. Cause: defective chimney. Companies attending: 3, 8, and H. & L. 1. No. of officers present: 2. Officer in command, District Engineer. Loss, \$100. Valuation, \$300. No insurance.

14th—At 12.45 A. M., tower 152. No. 373 Trumbull avenue. One and one-half story frame dwelling owned by Philip Letourneau. Occupied by two families. Cause: defective chimney. Companies attending: 3, 8, and H. & L. 1. No. of officers present, 2. Officer commanding: Assistant Chief. Loss, \$1,000. Insurance, \$800. Valuation, \$1,200.

14th—At 1.30 A. M., tower 43. No. 346 McDougal avenue. One story frame cottage, occupied as dwelling. Owned by Mrs. L. Olihoff. Cause: incendiary. Companies attending: 6, 7, and H. & L. 2. No. of officers present: 1. Officer commanding, Assistant Chief. Loss, \$200. Insurance, \$900. Valuation, \$1,000.

15th—At 10.30 A. M., box 161. No. 48 Howard street. Two story frame tenement dwelling, owned by John Collins and occupied by B. F. Baker. Cause: defective chimney. Companies attending: 1, 3, 8, C. 1, and H. & L. 1. No. of officers present: 2. Officer in command: District Engineer. Loss, \$20. Insurance \$2,000. Valuation, \$3,000.

16th—At 4.50 A. M., tower 35. No. 838 Jefferson avenue. Burning rubbish owned by Jacob Jones. Companies attending: 5, 7, and H. & L. 2. No. of officers present: 1. Officer commanding: Assistant Chief. No loss.

17th—At 1.25 A. M., tower 71. No. 464 Antoine street. Brick store and dwelling owned by H. W. Rickell. Loss \$408. Insurance, \$3 000. George Rickell, loss on furniture, \$85. Insurance, \$500. Yong and Kline. Loss on stock, \$666. Insurance \$1,500. Total valuation, \$6,000. Cause: incendiary. Companies attending: 3, 6, and H. & L. 2. No. of officers present: 1. Officer commanding: Assistant Chief.

24th—At 12.35 A. M., tower 53, corner High and Hastings street. Burning straw owned by Mrs. Skewgabble. Companies attending: 5, 6, and H. & L. 2. No. of officers present: 1. Officer commanding: Assistant Chief.

24th—At 7.50 P. M., still alarm box 15. No. 243 Jefferson avenue. Three story brick theatre, owned by Charles Welch. Cause: defective stove pipe. Companies attending: H. & L., 1. Foreman Cooper in command. No Loss.

27th—At 11.10 A. M., box 52. No. 302 Antoine street. Frame dwelling owned A. F. Weitlaufer. Cause: burning chimney. Companies attending: 2, 6, and H. & L., 2. No. of officers present: 1. Officer commanding: District Engineer.

28th—At 5.25 P. M., box 53. No. 48 Chestnut street. Frame dwelling owned by A. Vesun. Cause: burning chimney. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding: District Engineer.

#### SUMMARY OF LOSS, INSURANCE, AND VALUATION FOR THE MONTH OF APRIL.

Loss, \$7,653. Insurance, \$25,625. Valuation, \$41,100.

### MAY.

1st—At 10.25 A. M., box 235. No. 331 Lafayette avenue. Two story frame barn owned by John Fuller. Cause: smoking pipe in loft. Companies attending: 1, 4, 8, and H. & L. 1. No. of officers present: 1. Officer commanding: District. Loss, \$50. Valuation, \$250. No insurance.

2d—At 11.05 A. M., box 141. No. 227 Grand River avenue. Two story brick office and dwelling, owned by A. Ferguson & Co. Cause: careless use of matches. Companies attending: 3, 8, 9, and H. & L. 1. No. of officers present: 2. Officer commanding: District Engineer. Loss, \$140. Insurance, \$1,000. Valuation, \$1,500.

2d—At 12.30 P. M., box 135. No. 144 Henry street. Two story frame barn, owned by W. D. Robinson. Cause: hot ashes on straw. Companies attending: 3, 9, and H. & L. 1. No. of officers present, 1. Officer commanding: District. No loss.

3d—At 11.10 P. M., tower 315, No. 723 Twenty-fourth street. One story frame dwelling owned by John Clifford. Cause: defective chimney. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer in command: Assistant Chief. Loss, \$400. Insurance, \$400. Valuation, \$600.

4th—At 11.35 A. M., box 162. No. 99 Porter street. Two story frame dwelling owned by Michael Bresnahan. Cause: burning chimney. Companies attending: 1, 3, 8, and H. & L. 1. No. of officers present: 1. Officer commanding: Assistant Chief.

5th—At 12.30 P. M., box 51. No. 244 Russell street. Two story frame dwelling and brewery combined, owned by John Koch. Cause: defective chimney. Companies attending: 2, 5, 6, and H. & L. 2. No. of officers present: 2. Officer commanding: Chief. Loss, \$150. Insurance, \$5,000. Valuation, \$10,000.

7th—At 11.15 P. M., box 14. No. 51 Fort street east. Three story and basement brick shoe case factory, owned by J. & W. Phillips. Loss on building, \$4,100. Insurance, \$5,000. Valuation, \$8,000. Loss on stock and machinery, \$10,000. Insurance, \$6,300. Valuation,

\$14,500. Thomas A. Woodsworth occupied rear part of first floor as cigar-box factory. Loss, \$740. Insurance, \$1,000. Valuation, \$1,500. D. M. Ferry & Co., occupied basement and first floor as box factory. Loss, \$7,000. Insurance, \$5,500. Valuation, \$13,000. Cause: overheated kiln. Companies attending: 1, 2, 3, 5, 6, C 1, and H. & L. 1, 2. No. of officers present: 2. Officer commanding, Chief. The following officers and men were slightly injured at this fire: James Brodrick, Foreman Engine Co. No. 2; W. H. Harris, assistant do; Alexander Gray, Pipeman; John A. Damm, Pipeman; Charles Lanthier, Pipeman, Engine Co. No. 5; W. H. Witherspoon, Ladderman of Truck No. 2; James O'Grady\*, Ladderman of Truck No. 2.

10th—At 5 05 A. M., tower 61. Cor. of Brewster and Orleans streets. One story frame shed, owned by Peter Monteroll. Cause: hot ashes. Companies attending: 5, 6, and H. & L. 2. Foreman of No. 6 in command. Loss, \$50. Valuation, \$100. No insurance.

10th—At 5 45 P. M., box 252. No. 822 Woodbridge street West. Frame dwelling, owned by George A. Eggler. Cause: burning chimney. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding: District Engineer.

11th—At 3 45 A. M., box 65. No. 622 Antoine street. One story frame cottage, occupied as dwelling, owned by Ludwig Helm. Cause: incendiary. Companies attending: 6, 9, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Loss, \$400. Insurance, \$1,000. Valuation, \$1,000.

15th—At 1 05 A. M., tower 14. Cor. Larned and Riopelle streets. Bonfire. Fire built at sewer for warming food. Companies attending: 2, 3, 5, C. 1, and H. & L. 1, 2. No. of officers present: 2. Officer commanding: Chief Engineer.

15th—At 3 30 A. M., box 61. No. 144 Prospect street. Two story frame dwelling, owned by Anthony Dimel. Cause: lamp explosion. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$500. Valuation, \$1,500. No insurance.

16th—At 11 50 A. M., box 7. No. 95 Farmer street. Two story frame dwelling, owned by Benjamin Brisco, and occupied by Mrs. Brennan. Cause: sparks from stove pipe. Companies attending: 1, 2, 3, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. Mr. Brisco's loss, \$440. Insurance, \$1,000. Valuation, \$2,000. Mrs. Brennan's loss, \$700. Insurance, \$2,000. Valuation, \$2,000.

19th—At 2 10 P. M., box 3. Foot of Wayne street. Steamboat Ruby, owned by Northwestern Transportation Company. Cause: pipe in coat pocket (not of the steamboat). Companies attending: 1, 2, 3, 8, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. No loss.

21st—At 9 30 P. M., box 37. No. 113 Lafayette street East. Three frame buildings, viz: one two story dwelling one, one story dwelling and one two story frame cigar factory, owned by Philip Goldman. Loss on building, \$50. Insurance, \$1,550. Valuation, \$2,200. J. B. Goldman, loss on cigars, \$410. Insurance, \$460. Valuation, \$1,000. Cause: Incendiary. Companies attending: 2, 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer.

26th—At 10 35 P. M., box 41. No. 92 Russell street. Frame barns, sheds, and ice houses, owned by Samuel Blumgarten. Cause: incendiary. Companies attending: 2, 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding: Chief Engineer. Loss, \$650. Insurance, \$1,550. Valuation, \$2,800.

28th—At 11 55 A. M., box 15. No. 241 Jefferson avenue. Three story brick and basement, owned by James Sherlock. Basement, occupied by G. B. Brice as a bowling alley. Cause: careless use of matches. Companies attending: 1, 2, 3, 5, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding: Chief. No loss.

29th—At 4 40 A. M., box 53. No. 425 Hastings street. Frame dwellings, barns, and sheds, owned by different families, as follows: A. Klatte, Napoleon street, dwelling and barn; loss, \$303; insurance, \$1,000. J. Dancy, Hastings street, dwelling and barn; loss, \$3,000; no insurance. E. Gravels, Hastings street, dwelling and barn; loss, \$1,200; insurance, \$2,300. E. Gutmans, Marion street, dwelling and barn, \$1,035; insurance, \$1,800; other small losses, \$1,662. No insurance. Total loss, \$7,500. Insurance, \$5,100. Valuation, \$15,000. Cause: children and bon-fire. Companies attending: 3, 5, 6, and H. & L. 2. No. of officers present: 3. Officer commanding: Chief Engineer. Poor water in the locality of fire.

29th—At 10 P. M., box 161. No. 124 Michigan avenue. One story frame stable. Horse and carriage, owned by Thomas G. Kean. Cause: incendiary. Companies attending: 1, 3, 8, C. 1, and H. & L. 1. No. of officers present, 2. Officer commanding: District Engineer. Loss, \$300. Insurance, \$100. Valuation, \$500.

#### SUMMARY OF LOSS, INSURANCE, AND VALUATION, FOR THE MONTH OF MAY.

Loss, \$34,480. Insurance, \$36,960. Valuation, \$77,250.

\* Since died.

## JUNE.

1st—At 8.55 A. M., box 53. No. 166 Napoleon street. Cause: straw burning; owned by John Bonninghusen. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer.

1st—At 12.45 P. M., box 36. No. 629 Jefferson avenue. Cause: straw burning, owned by George Hendrie. Companies attending: 2, 5, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer.

2d—At 2.30 A. M., box 232. No. 71 Abbott street. Frame dwelling owned by Robert Bell. Cause: sparks from chimney. Companies attending: 1, 8, C. 1, and H. & L. 1. No. of officers present, 2. Officer commanding, District Engineer. No loss.

2d—At 12.50 P. M., box 42. No. 384 Croghan street. Frame dwelling owned by F. Fasbinder. Cause: sparks from locomotive. Companies attending: 5, 6, 7, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer. No loss.

4th—At 7.50 A. M., box 57. Moran avenue. Two story frame dwelling, barn and hot house, owned by A. Lempke. Cause: smoking pipe in barn. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$2,000. Insurance, \$1,000. Valuation, \$2,500.

4th—At 6.05 P. M., box 37. No. 120 Lafayette street. Two story frame, store, and dwelling, owned by M. Goldman. Cause: careless use of matches. Companies attending: 2, 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding, Assistant Chief. Loss, \$75. Insurance, \$1,000. Valuation, \$3,000.

5th—At 1.10 A. M., tower 56. Chene street near Watson. Frame cooper shop, owned by Edward Olsheiwke. Cause: incendiary. Companies attending: 5 and 7. Foreman No. 7 in command. Loss, \$500. Insurance, \$325. Valuation, \$500.

5th—At 1.05 A. M., box 52. No. 181 High street East. Two story frame planing mill, 2 story frame dwelling, and 200,000 M. feet lumber, owned by Charles Tegeler. Loss on planing mill, \$6,000. Insurance, \$1,800. Valuation, \$6,000. Loss on dwelling, \$524. Insurance, \$4,000. Valuation, \$5,000. Loss on barn, \$402. Covered by insurance; 200,000 M. feet of lumber and several small barns. Loss, \$10,074. No insurance. Total insurance, \$5,800. Loss, \$16,000. Valuation, \$20,000. Cause: incendiary. Companies attending: 2, 3, 6, 9, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer.

7th—At 3.10 A. M., tower 136. No. 92 Middle street. Cause: straw burning. Owned by John Swift. Companies attending: 1, 3, C. 1, and H. & L. 1. Foreman Cooper, of truck 1, in command.

7th—At 1 P. M., box 47. No. 338 Maple street. Two frame dwellings and 1 frame barn, owned by M. Kirst. Cause: defective chimney. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer. Loss, \$1,000. Paid by insurance, \$725. Total insurance on buildings, \$1,750. Valuation, \$2,500.

John Black jr., Pipeman in Engine Co. No. 7, had fingers burned off both hands while working at this fire, and not able to be on duty up to February 1st, 1878.

10th—At 9.30 P. M., box 16. Foot of Wayne street. Side-wheel steamer R. N. Rice, used as a passenger boat, owned by Detroit & Cleveland Steam Navigation Company. Cause: unknown. Companies attending: 1, 2, 3, 4, 5, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. Loss on joiner work, \$27,602; loss on machinery, \$7,500; loss on furniture, \$6,800; total loss, \$41,902. Insurance, \$25,000. Valuation, \$75,000.

15th—At 9.15 P. M., tower 53. No. 125 Maple street. Cause: burning straw. Jake Jerker. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief.

20th—At 3.35 A. M., box 23. On river dock between Riopelle and Orleans streets. Frame drying house, one story unoccupied, owned by Detroit & Milwaukee Railroad Company. Cause: sparks from chimney. Companies attending: 2, 5, and H. & L. 2. No. of officers present, 1. Officer commanding, Chief Engineer. Loss, \$15; Valuation, \$25. No insurance.

24th—At 12.50 A. M., tower 57. No. 305 Pierce street, one story frame dwelling, owned by Joseph Oaland. Cause: incendiary. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Chief Engineer. Loss, \$400. Insurance, \$1,000. Valuation, \$1,000.

24th—At 2.50 A. M., box 4. No. 71 Griswold street. Two story brick saloon, owned by Dennis Campau, and occupied by Joseph Garand. Cause: careless use of matches. Companies attending: 1, 2, 3, 5, C. 1, and H. & L. 1, 2. Loss of building \$70. Insurance, \$500. Garand's loss, \$200. Insurance, \$200. Total amount of insurance on the building, \$1,200. Valuation, \$1,500. No. of officers present, 3. Officer commanding, Chief Engineer.

25th—At 8.25 P. M., box 13. No. 206 Brush street. One and one-half story frame dwelling, owned by Henry Langley. Cause: defective stove pipe. Companies attending: 2, 3, 6, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. Loss, \$25. Valuation, \$300. No insurance.

## SUMMARY OF LOSS, INSURANCE, AND VALUATION FOR THE MONTH OF JUNE.

Loss, \$62,187. Insurance, 37,075. Valuation, \$106,550.

## JULY.

3d—At 10.25 P. M., box 21. No. 320 Atwater street. Brick foundry, known as the Riverside Iron Works, owned by Samuel Hodge. Cause: over-heating kiln. Companies attending: 1, 2, 5, C. 1, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$25. Insurance, \$500. Valuation, \$500.

3d—At 11.55 P. M., tower 51. No. 351 Rivard street. Bon-fire. Cause: heating rosin for beer barrels, owned by John Mann. Companies attending: 2, 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief.

4th—At 12.30 P. M., still alarm box 3. No. 51 Michigan avenue. Three story brick feed store and dwelling, owned by Louis Bressler, occupied by Rudd & Son. Cause: defective chimney. Companies attending, C. 1. No. of officers present, 1. Officer commanding, Chief Engineer. Loss, \$15. Insurance, \$4,000. Valuation, \$5,000.

4th—At 10.40 P. M., box 136. No. 58 Macomb avenue. Two story frame dwelling, owned by William Wreford. Cause: fire crackers. Companies attending: 1, 3, C. 1, and H. & L. 1. No. of officers present, 1. Officer commanding, Assistant Chief. No insurance on building. No loss. Loss on clothing, \$42.

4th—At 11.30 P. M., box 41. No. 232 Clinton street. One story frame stable, horse, buggy, and harness, owned by John Koster. Cause: fire crackers. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$50. Insurance, \$200. Valuation, \$300.

5th—At 1.35 A. M., box 61. Cor. Illinois and Antoine streets. One and a-half story frame dwelling, owned by John Packorney. Cause: lamp explosion. Companies attending: 6, 9, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$64. Insurance, \$1,250. Valuation, \$1,250. Henry Willits of Chemical 2, slightly injured on the head while working at this fire, off duty one week.

5th—At 1.55 A. M., tower 136. No. 46 Lewis street. Two story frame dwelling, barn, and sheds, owned by John B. Brown. Cause: incendiary. Fired in 2 places. Companies attending: 1, 3, C. 1, and H. & L. 1. No. of officers present, 2. Officer commanding, District Engineer. Loss on building, \$1,066. Insurance, \$3,000. Loss on furniture, \$1,544. Insurance, \$4,000. Total loss, 2,610. Insurance, \$7,000. Valuation, \$7,000.

6th—At 2 P. M., box 3. No. 61 Fort street west. Brick stable, owned by John Owen. Cause: Naphtha explosion, used in cleaning furniture. Companies attending: 1, 2, 3, 8, C. 1, H. & L. 1, 2. No. of officers present, 3. Officer commanding: Chief Engineer. No loss.

7th—At 4.45 P. M., box 51. No. 514 Gratiot avenue. Three story brick store and dwelling, owned by Michael Bayer. Cause: defective stove pipe. Companies attending: 5, 6, 7, and H. & L. 2. No. of officers present, 2. Officer commanding: Chief Engineer. Loss on building, \$693. Insurance, \$3,000. Loss on stock, \$105. Insurance, \$3,000. Loss on Fixtures and Clothing, \$250. Insurance, \$550. Total loss, \$1,108. Insurance, \$6,550. Valuation, \$14,000.

7th—At 5.20 P. M., box 161. No. 166 Second street. Two story frame dwelling, owned by H. P. Thompson. Cause: careless use of matches. Companies attending: 1, 3, 8, C. 1, and H. & L. 1. No. of officers present, 1. Officer commanding: District Engineer. Loss on building and trunk of clothing, \$155. Insurance \$1,000. Valuation, \$2,000.

7th—At 9.15 P. M., box 161. No. 165 Cass street. Three story brick carpenter shop, full of lumber and shavings, owned by W. G. Vinton. Cause: incendiary. Companies attending: 1, 3, 8, C. 1, and H. & L. 1. No. of officers present, 2. Officer commanding: District Engineer. Loss on building, \$945. On lumber, \$530. Insurance, \$2,250. Valuation, \$15,000.

8th—At 1.15 A. M., tower 154. No. 378 Michigan avenue. Two story frame cabinet shop, with 4 in brick front, owned by Joseph Perrien, and occupied by M. Hommill. Cause: incendiary. Companies attending: 1, 8, and H. & L. 1. No. of officers present, 2. Officer commanding: Assistant Chief. Perrien's loss on building, \$500. No. insurance. Hommill's loss on stock, \$1,107. Insurance, \$1,200. Total loss, \$1,607. Insurance, \$1,200. Valuation, \$2,000.

8th—At 10.40 P. M., box 65. No. 24 Ohio street, one story frame dwelling, owned by M. Yields. Cause: lamp explosion. Companies attending: 6, 9, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Loss, \$350. Insurance, \$700. Valuation, \$800.

8th—At 10.50 P. M., box 123. No. 112 Alfred street. Cause: Benzene. District Telegraph box pulled from Edward Reidy's house, for fire at box 65. Companies attending: 2, 3, and H. & L. 1. No. of officers present: Chief Engineer.

11th—At 9.40 A. M., box 164. No. 248 Third street. One story frame barn, owned by M. Golden. Loss, \$40. Furniture stored in barn, belonging to Thomas Morahan. Loss, \$360. No insurance. Total loss, \$400. Insurance \$40. Valuation, \$500. Cause: careless use of matches. Companies attending: 3, 8, and H. & L. 1. No. of officers present, 1. Officer commanding: District Engineer.

12th—At 4.05 A. M., box 41. No. 255 Macomb street. One story brick dwelling, owned by M. Germain. Loss, \$39. Insurance, \$400. Furniture, owned by Mrs. Newberry. Loss,



574. Insurance, \$300. Total loss, \$113. Insurance, \$700. Valuation, \$1,000. Cause: fire crackers. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding: Chief Engineer.

12th—At 11.20 A. M., box 56. St. Aubin avenue, near Ferry street. Frame dwelling and stable, owned by F. Lentz. Cause: incendiary. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: District Engineer. Loss, \$1,000. Valuation, \$1,000. No insurance. Fire, out of reach of water.

15th—At 11.40 P. M., box 315, Springwells. Frame dwelling, owned by Joseph Miloch. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 2. Officer commanding: District Engineer.

19th—At 12.10 A. M., tower 43, Hamtramck. Frame dwelling, owned by L. Connors. Companies attending: 6, 7, and H. & L. 2. Officer commanding: Assistant Chief.

21st—At 3.40 P. M., box 35. No. 799 Jefferson avenue. Two story frame dwelling, owned by J. A. Bailey. Cause: careless use of matches. Companies attending: 5, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Building insured for \$3,000, loss, none. Furniture insured for \$1,000, loss, \$54. Total loss, \$54. Insurance, \$4,000. Valuation, \$5,000.

22d—At 1.45 A. M., box 15. No. 343, 345 Jefferson avenue. Four story—60x100—feet. Brick Theater Comique, owned by Charles M. Welsh. Cause: unknown. Companies attending: 1, 2, 3, 4, 5, 7, 8, C. 1, and H. & L. 1, 2. No. of officers present, 2. Officer commanding: Assistant Chief. Total loss on building and fixtures, \$12,000. Insurance on building, \$4,000; fixtures, \$2,500. Total insurance, \$6,500. Valuation, \$15,000.

23d—At 4.20 A. M., tower 14. No. 118 and 120 Lafayette street. One, 1 story frame dwelling. One 2 story frame dwelling, and 2 stables, (panorama in wagon), owned by M. Goldman. Cause: incendiary. Companies attending: 2, 3, 5, 6, C. 1, and H. & L. 1, 2. No. of officers present, 2. Officer commanding: Assistant Chief. Loss, \$1,100. Insurance, \$1,200. Valuation, \$2,100.

23d—At 1.25 P. M., box 56. No. 79 Mother street. One story cottage occupied as a dwelling, owned by A. Repkie. Cause: defective chimney. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Chief Engineer. Loss, \$550. Insurance, \$550. Valuation, \$800.

23d—6.55 P. M., box 61. House of Correction, brick prison, owned by City of Detroit. Cause: shavings near fire box in fire room, used for firing up. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer attending: Assistant Chief. No loss.

23d—At 11 P. M., tower 43. No. 450 Mullett street, one story frame cottage, used as a dwelling (owned by H. Miller.) Cause: incendiary. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Loss, \$266. Insurance, \$950. Valuation, \$1,000.

26th—At 5.55 A. M., box 61. No. 198 Benton street. One story frame cottage used as a dwelling, owned by Anton Kott. Cause: defective chimney. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Loss on building and furniture, \$400. Insurance on building, \$600. Insurance on furniture, \$200. Valuation, \$1,000.

28th—At 1.35 A. M., tower 28. Park House, Hamtramck. Two story brick hotel with large frame additions, owned by John Owen, occupied by William McLaughlin. Cause: defective chimney. Companies attending: 5, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief.

30th—At 9.20 P. M., tower 47. Elmwood cemetery. Cause: burning rubbish. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief.

#### SUMMARY OF LOSS, INSURANCE, AND VALUATION FOR THE MONTH OF JULY.

Loss, \$24,144. Insurance, \$39,690. Valuation, \$76,250.

## AUGUST.

5th—At 2 A. M., tower 43. No. 698 Macomb street. Large two story frame dwelling, owned by Hannah McSweeney. Cause: incendiary. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Loss, \$10. Insurance, \$1,000. Valuation, \$1,500.

7th—At 4.30 A. M., tower 42. No. 202 Macomb street. Two story frame dwelling and shop, owned by August Pfannenschmidt. Cause: hot ashes. Companies attending: 5, 6, 7, and H. & L. 2. No. of officers present, 2. Officer commanding: Assistant Chief. Loss, \$270. Insurance, \$630. Valuation, \$1,000.

8th—At 8.25 P. M., box 13. No. 826 Randolph street. Two story frame dwelling, owned by Ephriam Teakle, and occupied by Mrs. Mackey. Cause: lamp explosion. Companies attending: 2, 3, 6, C. 1, and H. & L., 1, 2. No. of officers present, 2. Officer commanding: District Engineer. Teakle's loss on building, \$200. No insurance. Mrs. Mackey's loss, \$650. Insurance, \$1,000. Total loss, \$850. Insurance, \$1,000. Valuation, \$2,000.

9th—At 12.45 A. M., box 15. Corner of Brush and Woodbridge streets. Three story brick machine shop and full of other small shops, owned by estate of E. A. Brush. Cause: defective forge pipe. Companies attending: 1, 2, 3, 5, C. 1, and H. & L. 1, 2. No. of officers present, 2. Officer commanding: Assistant Chief. Loss, \$100 on building only. Insurance, \$4,000. Valuation, \$8,000.

10th—At 2 P. M., box 12. Russell House. Cause: exhibition of the department to Buffalo visitors. Companies attending: 1, 2, 3, 6, C. 1, and H. & L. 1, 2. No. of officers present, 2. Officer commanding: District Engineer.

12th—At 3.25 P. M., box 41. No. 222 Croghan street. Two story frame dwelling and saloon, owned by J. J. Ludwig, occupied by Fred Gills. Cause: careless use of matches. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding: Chief Engineer. Ludwig's loss on building, \$20. Insurance, \$1,200. Gills' loss, none. Insurance, \$900. Total loss, \$20. Insurance, \$2,100. Valuation, \$2,500.

13th—At 3.45 A. M., box 23. No. 324 Franklin street. Two story frame stable and repair shop. Stable owned by Mrs. Mary Dorington. Loss, \$180. Insurance, \$2,100. Repair shop owned by Detroit & Milwaukee Railroad. Loss, \$190. Insurance, \$1,000. Total loss, \$370. Insurance, \$3,100. Valuation, \$6,000. Cause: incendiary. Companies attending: 2, 5, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief.

14th—At 2.15 A. M., tower 121. No. 234 High street, East. Two story frame cooper shop and stove yard, owned by Gustav Lasch. Cause: incendiary. Companies attending: 2, 6, and H. & L. 2. No. of officers present, 2. Officer commanding: Assistant Chief. Loss, \$600. Insurance, \$2,450. Valuation, \$3,000.

16th—At 12.10 A. M., tower 173. No. 472 Fifteenth street. One story frame cottage, occupied as a dwelling, owned by John P. Pratt. Cause: lamp explosion. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 2. Officer commanding: District Engineer. Loss on building, \$300. No insurance. Loss on furniture, \$500. Insurance, \$500. Total loss, \$600. Insurance, \$500. Valuation, \$1,200.

19th—At 9.05 P. M., tower 164. Corner of Third and Beach street. Ash barrel, owned by John Pegtop Jones. Cause: ash barrel. Companies attending: 3, 8, and H. & L. 1. Foreman of Engine Co. No. 8, in command.

21st—At 8.45 P. M., box 53. No. 288 High street East. One story frame cottage, used as a dwelling, owned by Thomas M. Dolan. Cause: lamp dropped. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Loss on building, \$90. Insurance, \$450. Loss on furniture, \$60. Insurance, \$250. Total loss, \$150. Insurance, \$700. Valuation, \$1,000.

25th—At 1.30 A. M., tower 132. Corner of Third and Gold streets. Cause: rubbish burning, owned by Cass Avenue Street Car Co. Companies attending: 3, 9. No. of officers present, 2. Officer commanding: District Engineer.

27th—At 1.45 A. M., box 51. No. 146 Mullett street. Two story frame dwelling, owned by John Hines. Cause: careless use of matches. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding: Assistant Chief. Loss, \$200. Insurance, \$1,000. Valuation, \$2,000.

27th—At 9.50 P. M., tower 51. Corner of Russell and Catherine streets. Frame Arbeiter Hall. Cause: red lights, owned by Arbeiter Society. Companies attending: 2, 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding: Chief Engineer. No loss.

29th—At 7.40 P. M., box 57. Corner of Gratiot avenue and Chene street. Cause: bonfire. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief.

#### SUMMARY OF LOSS, INSURANCE, AND VALUATION, FOR MONTH OF AUGUST.

Loss, \$3,080. Insurance, \$16,480. Valuation, \$28,500.

## SEPTEMBER.

1st—At 2.45 P. M., box 42. No. 309 Mullett street. Frame stable, owned by Mrs. Adams. Cause: sparks from locomotive. Companies attending: 5, 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. No loss.

2d—At 12.20 A. M., tower 62. No. 491 Watson street. One story cottage, occupied as a dwelling, owned by William Kurtz. Cause: lamp explosion. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Loss, \$250. Insurance, \$1,300. Valuation, \$1,500.

2d—At 1.20 A. M., box 54. No. 25 German street. One story frame stable, owned by Martin Ludwig. Cause: hot ashes. Companies attending: 5, 6, 7, and H. & L. 2. No. of officers present, 1.

10th—At 10.50 P. M., box 3. No. 145 Woodbridge street, West. Two story brick furnace, owned by A. Harvey & Sons. Cause: smoke from furnace. Companies attending: 1, 2, 3, 8, C. 1, and H. & L. 1, 2. No. of officers present, 2. Officer commanding: District Engineer. No loss.

11th—At 3.40 A. M., tower 47. No. 489 Sherman street. One story stand up, frame dwelling, owned by William Maas. Cause: incendiary; people out of town. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief. Loss, \$500. Insurance \$500. Valuation, \$600.

13th—At 2.05 P. M., box 243. No. 703 Woodbridge street west. One story frame dwelling, owned by Bela Hubbard. Cause: defective stove pipe. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss, \$200. Valuation, \$1,000. No insurance.

14th—At 10.50 P. M., tower 42. No. 322 Croghan street. One story frame stable owned by Dominigin Latour. Cause: incendiary. Companies attending: 5, 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Chief Engineer. Loss, \$100. Valuation, \$100. No insurance.

14th—At 11.15 P. M., box 53. No. 326 Russell street. Three story large frame flour mill, owned by Alexander Lauhoff. Cause: over-heated journals. Companies attending: 2, 3, 6, 7, and H. & L. 1. 2. No. of officers present, 3. Officer commanding: District Engineer. Loss on building, \$200. Loss on machinery, \$800. Total loss, \$1,000. Valuation, \$8,000. No insurance.

17th—At 3.05 A. M., box 15. No. 52 Randolph street. Three story brick owned by Mrs. John Copland, and occupied by Vail & Crane as a cracker factory. Cause: spontaneous combustion, saw-dust and lard. Companies attending: 1, 2, 3, 5, 7, C. 1. and H. & L. 1. 2. No. of officers present: 3. Officer commanding: Chief Engineer. Building and machinery valuation, \$17,000. Insurance, \$6,000. Loss, \$5,400. Loss paid, \$4,400. Vail & Crane valuation, \$5,000. Insurance, \$3,300. Loss, \$4,300. Loss paid, \$3,300. Total loss, \$9,700. Insurance, \$9,300. Valuation, \$22,000.

19th—At 3 A. M., tower 163. No. 253 Fourth street. Two story frame dwelling owned by Edwin Warren. Cause: hot ashes. Companies attending: 3, 8, and H. & L. 1. No. of officers present, 1. Officer commanding: District Engineer. Loss, \$300. Insurance, \$1,500. Valuation, \$2,000.

19th—At 11.15 A. M., box 147. No. 48 Tuscola street. Ash barrel owned by Joseph Church. Cause: hot ashes. Companies attending: 8, 9, and H. & L. 1. No. of officers present, 1. Officer commanding: District Engineer. No loss.

19th—At 12.40 P. M., box 23. Foot of Rivard street. Two story frame lumber shed and lumber, owned by D. A. Ross. Cause: sparks from locomotive. Companies attending: 2, 5, and H. & L. 2. No. of officers present, 2. Officer commanding: Chief Engineer. Loss on lumber, \$50. Insurance, \$2,000. Loss on shed, \$500. No insurance. Total loss, \$550. Insurance, \$2,000. Valuation, \$3,000.

20th—At 5.10 A. M., box 16. No. 30, 32, 34 Atwater street east. Three story brick assorted factories. Building owned by Hiram Walker. Loss, \$2,400. Insurance, \$4,200. Valuation, \$8,000.

No. 30 Atwater street, George F. Stratton, occupant. Loss, \$1,200; insurance, \$900; Loss over insurance, \$300; valuation, \$1,500. H. F. Malony & Co occupants. Loss, \$300; insurance, \$300; valuation, \$800. Charles Orth, occupant. Loss, \$1,700; insurance, \$1,000; loss over insurance, \$700; valuation, \$1,700.

No. 34 Atwater street. W. O'Calaghan, occupant. Loss, \$227; insurance, \$1,000; valuation, \$2,500. W. H. Scott & Co, occupants. Loss, \$300; insurance, \$800; valuation, \$1,000. C. B. Seitz, occupant. Loss, \$200; insurance, \$500; valuation, \$1,000. Total loss, \$7,727. Insurance, \$12,700. Valuation, \$23,000. Loss over insurance, \$1,000. Cause: over-heated stove. Companies attending: 1, 2, 3, 5, 8, C. 1. and H. & L. 1. 2. No. of officers present, 3. Officer commanding: Chief Engineer.

24th—At 2.30 A. M., box 172. No. 601 Michigan avenue. Two story frame grocery store owned by Peter Wynn. Cause: defective stove pipe. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding: District Engineer. Loss on building, \$320; insurance, \$2,000; loss on furniture and stock, \$218; insurance, \$1,100. Total loss, \$538. Insurance, \$3,100. Valuation, \$4,000.

24th—At 6.15 P. M., box 54. No. 338 Bronson street. Frame dwelling owned by M. Tesan. Cause: chimney burning. Companies attending: 5, 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding: Assistant Chief.

25th—At 9.40 P. M., tower 17. Cor. of Brush and Fort streets. Cause: bon-fire. Owned by F. Gies. Companies attending: 1, 2, 3, 6, C. 1. and H. & L. 1. 2. No. of officers present, 1. Officer commanding, Assistant Chief.

27th—At 10.20 P. M., box 14. No. 99 Larned street east. Cause: ash barrel. Companies attending: 2, 3, 5, C. 1. and H. & L. 1. 2. No. of officers present, 3. Officer commanding, Chief Engineer.

28th—At 5.05 P. M., box 214. No. 218 18th street. One story frame dwelling owned by Henry Hebler. Cause: sparks from chimney. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 2. Officer commanding, Chief Engineer. Loss, \$435. Insurance, \$1,800. Valuation, \$2,500.

30th—At 8.50 A. M., district telegraph box 13. No. 345 Randolph street. One story frame dwelling, sheds and horse, owned by Charles Keel. Cause: children playing with matches. Companies attending: 2, 3, 6, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. Loss, \$435. Insurance, \$1,800. Valuation, \$2,500.

## SUMMARY OF LOSS, INSURANCE AND VALUATION FOR THE MONTH OF SEPTEMBER.

Loss, \$21,175. Insurance, \$32,900. Valuation, \$68,800.

## OCTOBER.

2d—At 3.25 A. M., box 147. No. 14, 16 Noble street. Two two story frame dwellings, owned by M. McGilivray. Cause: defective chimney. Companies attending: 8, 9, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss on building, \$700. Loss on furniture, \$400. Total loss, \$1,100. Insurance, \$2,200. Valuation, \$3,000.

3d—At 5.05 A. M., district telegraph box 37. No. 75 Croghan street. Two story brick saloon, owned by Michael Darmataetter. Cause: careless use of matches. Companies attending: 2, 5, 6, and H. & L. 2. No. of officers present, 3. Officer commanding, Chief Engineer.

3d—At 11.30 P. M., tower 213, out of city. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer.

4th—At 3.25 A. M., box 161. No. 200 Michigan avenue. Two story brick shoe shop and dwelling, owned by Mrs. Mark McGraw, and occupied by R. Stevens. Companies attending: 1, 3, 8, and H. & L. 1. No. of officers present, 2. Officer commanding, Assistant Chief. Mrs. McGraw's loss on building, \$50; Steven's loss on stock, \$112. Total loss, \$162. Insurance, \$2,600. Valuation \$4,000. Cause: spontaneous combustion, (leather cuttings.)

4th—At 4.15 P. M., box 71. No. 419 Antoine street. Two story frame dwelling, owned by D. Fastnacht. Cause: sparks from tarring fire. Companies attending: 3, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Chief Engineer. Loss, \$50. Insurance, \$1,400. Valuation, \$2,000.

5th—At 3.30 A. M., box 71. No. 450 Antoine street. One story frame dwelling, owned by Mary A. Jackson. Cause: accidental. Companies attending: 3, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss on building, \$150; no insurance. Loss on clothing, \$100; insurance, \$600. Total loss, \$250. Insurance, \$600. Valuation, \$1,000.

7th—At 12.45 A. M., box 17. No. 36, 38, Fort street east. Two, two story frame dwellings and barns, owned by C. Heinicke, occupied by J. A. Oleman. Cause: lamp explosion. Companies attending: 1, 2, 3, 6, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. C. Heinicke's loss, \$469. Insurance, \$800. Small losses, \$100. Not insured. J. A. Oleman's loss, \$100; insurance, \$600; not insured, \$100. Total loss, \$769. Insurance, \$1,400. Valuation, \$2,000.

7th—At 1.30 A. M., box 52. No. 33, 35 Mullett street. One, one and one-half story frame dwelling, owned by Mrs. H. Stone. Cause: incendiary. Companies attending: 3, 5, 6, and H. & L. 2. Loss on buildings, \$1,639. Insurance, \$3,100. Loss on furniture, \$200. Insurance, \$1,200. Total loss, \$1,839. Insurance, \$4,300. Valuation, \$5,000. No. of officers present, 2. Officer commanding, Chief Engineer.

8th—At 8.05 P. M., box 13. No. 29 Lafayette street. Brick dwelling owned by Mrs. Dr. Frank. Cause: burning chimney. Companies attending: 2, 3, 6, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer.

12th—At 10.55 A. M., box 14. No. 309 Jefferson avenue. Two story brick stable, drugs stored in, owned by Dr. Peter Klein. Cause: spontaneous combustion from drugs. Companies attending: 2, 3, 5, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Assistant Chief. Loss, \$15. Insurance \$1,500. Valuation, \$2,000.

15th—At 11.55 A. M., box 62. No. 633 St. Aubin avenue. One story frame dwelling, owned by M. Lempe. Cause: lamp explosion. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$50. Insurance, \$500. Valuation, \$800.

16th—At 4.30 A. M., box 254. No. 195 Twenty-Second street. Two story frame stable, owned by Lewis Meidbrecht. Cause: hot ashes. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss, \$200. Insurance, \$200. Valuation, \$300.

16th—At 4.35 A. M., tower 52. Cor. Hastings street and Gratiot avenue. Alarm. Companies attending: 2, 6, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer.

16th—At 1.10 P. M., box 3. No. 120 Larned street west. Two story brick foundry, owned by Galvin Bros. Cause: hot metal upset. Companies attending: 1, 2, 3, 8, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, District Engineer. No loss.

17th—At 6.30 P. M., box 65. No. 643 Antoine street. One story frame dwelling, owned by John Dutchman. Cause: lamp explosion. Companies attending: 6, 9, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$300. Insurance, \$600. Valuation, \$800.

17th—At 10.10 P. M., box 7. No. 243 Woodward avenue. Two story frame building, owned by C. M. Garrison, and occupied by Mrs. C. Davis as a millinery store. Accidental. Cause, unknown. Companies attending: 1, 2, 3, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, District Engineer. Loss on building, \$55; insurance, \$1,500. Mrs. Davis loss, \$371; insurance, \$800. Total loss, \$426. Insurance, \$2,300. Valuation, \$2,500.

19th—At 1 A. M., box 256. Cor. of Campau avenue and Fort street west, Springwells. Two story brick grocery store, owned by Edward Campau. Cause: lamp explosion. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer.

19th—At 2.10 A. M., tower 36. No. 361 Congress street east. Two story frame stable, unoccupied, owned by John Miner. Cause: incendiary. Companies attending: 2, 5, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$50. Valuation, \$300. No insurance.

21st—At 4 A. M., tower 35. No. 509 Fort street east. Two story frame stable and 1 horse, owned by William Robinson. Cause: incendiary. Companies attending: 5, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$115. Insurance, \$300. Valuation, \$300.

23d—At 10.10 P. M., box 242. No. 574 Woodbridge street west. One story frame dwelling, owned by Mrs. Robert Laible. Cause: defective chimney. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss, \$75. Insurance, \$300. Valuation, \$400.

24th—At 11.45 A. M., box 142. No. 444 Fifth street. One story frame dwelling, owned by Thomas Barnum. Cause: Children—matches. Companies attending: 3, 8, 9, and H. & L. 1. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$10. Insurance, \$1,100. Valuation, \$1,500.

26th—At 6.15 A. M., tower 64. No. 142 Benton street. Two, two story frame dwellings, owned by Joseph Locosskie. Cause: defective chimney. Companies attending: 3, 6, and H. & L. 2. No. of officers present, 2. Officer commanding, Assistant Chief. Loss, \$758. Insurance, \$1,400. Valuation, \$1,600.

29th—At 9.35 P. M., box 136. No. 119 Grand River avenue. Two story frame store and dwelling, owned by John Schwenk. Cause: spontaneous combustion. Companies attending: 1, 3, C. 1, and H. & L. 1. No. of officers present, 2. Officer commanding, District Engineer. Loss, \$350. Insurance, \$2,000. Valuation, \$3,000.

#### SUMMARY OF LOSS, INSURANCE, AND VALUATION FOR THE MONTH OF OCTOBER.

Loss, \$7,115. Insurance \$24,550. Valuation, \$32,300.

### NOVEMBER.

2d—At 11.30 P. M., tower 26. Atwater street. One story frame boat house, owned by Dean & Meyers. Cause: incendiary. Companies attending: 5, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$1,573. Insurance, \$1,000. Valuation, \$1,573. Loss over insurance, \$573.

3d—At 4.15 P. M., box 46. No. 328 St. Aubin avenue. One story frame dwelling, sheds, and barn, owned by N. F. Johnson. Cause: hot ashes. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$300. Insurance, \$1,000. Valuation, \$1,500.

7th—At 9.40 A. M., box 61. No. 309 Wilkins street. One story frame dwelling, owned by P. Kramer. Cause: hot ashes. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Chief Engineer. Loss, \$58. Insurance, \$700. Valuation, \$800.

7th—At 9.50 P. M., box 65. No. 699 Hastings street. One story frame dwelling and store, owned by J. Polasky. Cause: incendiary. Companies attending: 6, 9, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$1,000. Insurance, \$1,700. Valuation, \$1,700.

7th—At 9.55 P. M., box 13. Cor. Beaubien and Bacon streets. Bon-fire. Companies attending: 2, 3, 6, C. 1, and H. & L. 1, 2. No. of officers present, 2. Officer commanding, Chief Engineer.

9th—At 9.15 P. M., tower 35. No. 111 Jos. Campau avenue. Two story frame store and dwelling, owned by James Welch. Cause: incendiary. Companies attending: 5, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss on building, \$1,200; loss on stock, \$1,000. Total loss, \$2,200. Insurance, \$2,200. Valuation, \$2,600.

9th—At 10.35 P. M., box 135. No. 356 Cass avenue. One story frame carpenter shop, owned by Joseph C. Wallich. Cause: over-heated stove. Companies attending: 3, 9, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss, \$15. Valuation, \$1,000. No insurance.

11th—At 9.15 P. M., box 14. No. 124 Hastings street. Two story frame dwelling, owned by Fred. Heidenrich. Cause: careless use of matches. Companies attending: 2, 3, 5, C. 1, and H. & L. 1. 2. No. of officers present, 3. Officer commanding, Chief Engineer. Loss, \$300. Valuation, \$3,000. No insurance.

11th—At 10.45 P. M., box 61. No. 185 Benton street. One story frame dwelling, owned by James Dewey, and occupied by G. Book. Cause: hot ashes. Companies attending: 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss on building, \$319; insurance, \$600. G. Book's loss, \$300; insurance, \$500. Total loss, 619. Insurance, \$1,100. Valuation, \$1,200.

16th—At 1.05 A. M., tower 216. No. 99 Twelfth street. One story frame notion store, owned by Alexander Ramsey, and occupied by Mrs. Landon. Cause: lamp explosion. Companies attending: 4, 8, and H. & L. 1. Foreman No. 4, in command. Loss, \$400. Insurance, \$400. Valuation, \$800.

18th—At 7.30 P. M., box 152. No. 117 Harrison avenue. Two story frame store and dwelling, owned by Perrien Bros., and occupied by H. M. Bailey. Cause: lamp explosion. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss on building, \$435; insurance, \$2,000. H. M. Bailey's loss, \$1,160; insurance, \$1,400. Total loss, \$1,595. Insurance, \$3,400. Valuation, \$3,600.

20th—At 11.40 A. M., box 171. Cor. of Eighth street and Michigan avenue. Iron tar kettle, used for boiling tar for paving, owned by Robinson & Farwell. Cause: over-heating. Companies attending: 4, 8, and H. & L. 1. No. of officers present, 3. Officer commanding, Chief Engineer.

21st—At 5.55 P. M., District Telegraph box 17. No. 76 Larned street east. Three story brick dwelling, owned by Edward Chope, and occupied by J. Bissell. Cause: careless use of matches. Companies attending: 1, 2, 3, 6, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. Loss on building, \$35; insurance, \$1,000. Bissell's loss, \$200. No insurance. Total loss, \$235. Insurance, \$1,000. Valuation, \$2,400.

22d—At 11.15 P. M., tower 62. No. 126 Margaret street. One story frame dwelling, owned by Peter Dublowski. Cause: incendiary. Companies attending: 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$400. Insurance, \$500. Valuation, \$800.

27th—At 12.25 A. M., box 71. No. 481 Beaubien street, one story frame dwelling, owned by James Lyons. Cause: lamp explosion. Companies attending: 3, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$5. Insurance, \$600. Valuation, \$700.

At 10.20 P. M., box 8. Cor. of Third and Woodbridge streets. Cause: men smoking on hay pile. Companies attending: 1, 2, 3, 8, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, District Engineer.

#### SUMMARY OF LOSS, INSURANCE, AND VALUATION FOR THE MONTH OF NOVEMBER.

Loss, \$8,470. Insurance, \$13,600. Valuation, \$21,673.

## DECEMBER.

2d—At 8.40 A. M., box 163. No. 109 Plum street. Frame dwelling owned by Thomas Walsh. Cause: burning chimney. Companies attending: 3, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer.

5th—At 3.15 A. M., tower 216. No. 330 Abbott street. One story frame wood shed, owned by Charles C. Allen. Cause: ash barrel. Companies attending, 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss, \$50. Valuation, \$200. No insurance.

7th—At 5.15 P. M., box 24. Corner Dubois and Guoin streets. One story frame lumber shed, owned by Louis Dubois, and occupied by C. Keeler. Cause, incendiary. Companies attending, 5, 7, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer. Loss on building, \$400. Keeler's loss, \$400. Total loss, \$800. Valuation, \$1,000. No insurance.

8th—At 9.10 A. M., box 51. No. 229 Russell street. Two story double frame dwelling, owned by Frederick Renaud, and occupied by Dr. Jacobs. Cause, defective chimney. Companies attending, 2, 5, 6, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer. Loss on building, \$78. Insurance, \$1,600. Dr. Jacobs' loss, \$200. No insurance. Total loss, \$178. Insurance, \$1,600. Valuation, \$2,000.

14th—At 2.50 A. M., tower 131. No. 1062 Woodward avenue. Two story frame dwelling, owned by M. M. Giesler. Cause, defective furnace. Companies attending, 3, 9, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss on building, \$1,753. Insurance, \$5,000. Loss on furniture, \$2,212. Insurance, \$3,000.

14th—At 4.20 P. M., box 235. Corner Woodbridge and Eighth streets. One story brick dry kiln (filled with match splints), owned by Richardson Match Co. Cause, over-heating. Companies attending, 1, 4, 8, and H. & L. 1. No. of officers present, 2. Officer commanding, Assistant Chief. Loss, \$150. Valuation, \$300. No insurance.

16th—At 4.55 A. M., box 235. No. 400 Woodbridge street west. Two story frame store-house, owned by J. D. Hayes. Cause, spontaneous combustion, from soft coal piled next to the building. Companies attending, 1, 4, 8, and H. & L. 1. No. of officers present, 2. Officer commanding, District Engineer. Loss, \$300. Valuation, \$500. No insurance.

18th—At 9.25 A. M., box 145. No. 912 Thirteenth and one-half street. One story frame dwelling, owned by David Schweitzer. Cause, defective chimney. Companies attending, 8, 9, and H. & L. 1. No. of officers present, 2. Officer commanding, Assistant Chief. Loss, \$100. Insurance, \$600. Valuation, \$800. Owners absent from home.

17th—At 8 P. M., still alarm box 13. No. 156 Randolph street. Three story brick fancy store. Fire in front of show window, owned by Stephen Keiter. Cause, gas-burner in show window. Extinguished by owners. Loss, \$137. Insurance, \$3,125. Valuation, \$5,000.

18th—At 3 P. M., still alarm box 12. No. 131 Woodward avenue. Four story brick grocery store, owned by G. & R. McMillan. Fire in second story. Cause, rats and matches. Extinguished by owners. Loss, \$385. Insurance, \$90,000. Valuation, \$130,000.

23d—At 2.15 A. M., tower 61. No. 615 Riopelle street. One and one-half story frame stable, owned by Robert Howard. Cause, incendiary. Companies attending, 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$125. Insurance, \$125. Valuation, \$300.

27th—At 11.35 P. M., tower 61. No. 21 Scott street. One story frame dwelling, owned by Patrick Tregent and occupied by J. Kosiski. Cause, hot ashes. Companies attending, 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Total loss, \$500. Insurance, \$600. Valuation, \$800. Loss on building, \$300. Insurance, \$300. Kosiski's loss, \$200. Insurance, \$300.

28th—At 12.25 A. M., tower 2.15. No. 126 Twentieth street. One and half story frame stable, owned by John Stenga. Cause, careless use of matches. Companies attending, 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss, \$100. Insurance, \$100. Valuation, \$200.

30th—At 12.20 A. M., tower 48. No. 302 Antietam street. One story frame dwelling, owned by William Zuiser. Cause: defective chimney. Companies attending: 3, 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss \$144. Insurance, \$700. Valuation, \$1,000.

31st—At 12.25 A. M., box 71. No. 450 Antoine street. Two story frame stable, owned by Mrs. E. Cook. Cause: incendiary. Companies attending: 3, 6, and H. & L. 2. No. of officers present, 2. Officer commanding, Chief Engineer. Loss, \$100. Valuation, \$300. No insurance.

#### SUMMARY OF LOSS, INSURANCE, AND VALUATION FOR THE MONTH OF DECEMBER.

Loss, \$6,909. Insurance, \$104,850. Valuation, \$152,200.

## JANUARY.

1st—At 4.45 A. M., box 173. No. 716 Jefferson avenue. One and one-half story frame dwelling, owned by Charles Rowe. Un-occupied. Furniture stored in the house belonging to Mrs. Slack. Cause: incendiary. Companies attending, 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss on building, \$188. Insurance, \$1,300. Mrs. Slack's loss, \$23. Insurance, \$150. Total loss, \$211. Insurance, \$1,450. Valuation, \$1,600.

1st—At 6.40 P. M., box 25. Atwater street, between Randolph and Brush streets. One story frame boat house and 32 row boats stored in it, owned by Mrs. A. Gore. Cause, incendiary. Companies attending, 1, 2, 3, 5, C. 1, and H. & L. 1. No. of officers present, 2. Officer commanding, Assistant Chief. Loss, \$1,500. Insurance paid, \$1,065. Total loss, \$1,500. Insurance, \$1,900. Valuation, \$1,500.

3d—At 1.55 P. M., box 142. No. 463 Grand River avenue. Two story frame dwelling, owned by Mrs. M. Crabb. Cause, lamp explosion. Companies attending, 3, 8, 9, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. Loss, \$35. Insurance, \$2,000. Valuation, \$2,500.

3d—At 5.45 P. M., box 45. No. 585 Lafayette street. One story frame dwelling, owned by Edward Goyer. Cause, defective chimney. Companies attending, 6, 7, and H. & L. 2. Foreman Kendall in command. Loss, \$165. Insurance, \$500. Valuation, \$1,000.

4th—At 8.30 P. M., box 126. No. 545 Woodward ave. One story frame dwelling, un-occupied, owned by C. B. Hebbard. Cause, incendiary. Companies attending, 3, 9, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$5. Valuation, \$200. No insurance.

4th—At 8.40 P. M., box 147. No. 16 Miller street. Frame dwelling, owned by William Trimble. Cause, burning chimney. Companies attending, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer.

5th—At 3.30 P. M., box 147. No. 25 Miller street. One story frame dwelling, unoccupied, owned by William Miller. Cause, hot ashes. Companies attending, 8, 9, and H. & L. 1. No. of officers present, 1. Officer commanding, Chief Engineer. Loss, \$50. Valuation, \$100. No insurance.

5th—At 10.30 P. M., box 13. No. 128 Gratiot avenue. Two story frame millinery store and dwelling, owned by Mrs. Chandler, and occupied by Miss J. Busch. Cause, gas light in window. Companies attending, 2, 3, 6, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. Loss on building, \$20. Insurance, \$1,000. Miss Busch's loss, \$167. Insurance, \$1,000.

7th—At 11 P. M., box 16, No. 2 Woodward avenue. Frame saloon, and 1 one story and 1 two story brick buildings, owned by Peter Henkel, and occupied by John Horn. Cause, defective stove pipe. Companies attending, 1, 2, 3, 5, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. Loss on buildings, \$198. Insurance, \$3,000. Loss on stock and fixtures, \$60. Insurance, \$1,000. Total loss, \$258. Insurance, \$4,000. Valuation, \$5,500.

9th—At 12.10 P. M., box 156. No. 538 Eighteenth street. One and one-half story frame dwelling, owned by John Patrick. Cause, defective chimney. Companies attending, 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$75. Insurance, \$1,200. Valuation, \$1,500.

13th—At 7.45 P. M., box 4. No. 141 Jefferson avenue. Four story brick building, owned by Amos Chaffee, and occupied by Barnes Bros. & Co. as a paper warehouse. Cause, unknown. Barnes Bros & Co's. loss on stock of paper and rags, \$30,820. Insurance, \$46,000. Valuation, \$49,000. No. 139 occupied by Hazard & Brewster as a wholesale notion store. Loss, \$765. Insurance, \$15,000. Valuation, \$30,000. No. 143, occupied by Tyler, Graham & Co. Stock of notions. Loss, \$90. Insurance, \$15,000. Valuation, \$25,000. No's. 141, 143, owned by Amos Schaffee. Loss, \$1,000. Valuation, \$16,000. No insurance. No. 139, one four story brick building, owned by Tenner Cook. Loss, \$100. Insurance, \$3,000. Valuation, \$8,000. Companies attending, 1, 2, 3, 5, C. 1, and H. & L. 1, 2. No. of officers present, 3. Officer commanding, Chief Engineer. Total loss, \$32,775. Insurance, \$79,000. Valuation, \$127,000.

18th—At 12.05 A. M., tower 161. No. 215 Michigan avenue. Two story frame feed store, stored with hay. Building owned by George Hommel. Loss, \$100. No insurance. Occupied by P. J. Monaghan. Loss, \$50. Insurance, \$200. Total loss, \$150. Insurance, \$200. Valuation, \$500. Cause, incendiary. Companies attending, 1, 3, 8, C. 1, and H. & L. 1. No. of officers present, 2. Officer commanding, District Engineer.

19th—At 1.30 A. M., tower 62. No. 521 Alfred street. One story frame dwelling, owned by S. Kliefus. Cause, defective chimney. Companies attending, 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$250. Insurance, \$750. Valuation, \$1,000.

21st—At 3.15 P. M., box 23. No. 142 Guoin street. Frame smoke house, owned by Chas. Strange. Cause, over-heating. Companies attending, 2, 5, and H. & L. 2. No. of officers present, 1. Officer commanding, Chief Engineer.

22d—At 12.55 A. M., tower 65. No. 109 Brady street. One story frame feed house, owned by Hiram Street. Cause, defective chimney. Companies attending, 6, 9, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$5. Valuation, \$25. No insurance.

22d—At 10.25 P. M., tower 63. Cor. High and Russell streets. Frame dwelling, owned by John Smith. Cause, chimney burning. Companies attending, 5, 6, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief.

26th—At 6.25 A. M., box 45. No. 444 Catharine street. One story frame dwelling, owned by Charles Sebert. Cause, defective chimney. Companies attending, 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$100. Insurance, \$300. Valuation, \$500.

26th—At 6.55 P. M., box 252. No. 904 Woodbridge street west. Two story frame plaining mill, owned by Huff & Vandermeulen. Cause, sparks from Chimney. Companies attending, 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. No loss.

28th—At 6.55 A. M., box 57. No. 122 Mother street. One story frame dwelling, owned by Ferdinand Reading. Cause, defective chimney. Companies attending, 6, 7, and H. & L. 2. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$310. Insurance, \$700. Valuation, \$900.

30th—At 6 P. M., box 67. Corner of St. Aubin avenue and Fremont street. One story frame dwelling, owned by Adam Krausman and occupied by C. Wamnicki. Cause, defective chimney. Companies attending, 6, 9, and H. & L. 2. No. of officers present, 2. Officer commanding, Assistant Chief. Loss on building, \$800. No insurance. Wamnicki's loss, \$177. Insurance, \$500.



30th—At 11 P. M., box 13. No. 115 Gratiot avenue. One story brick shoe shop, owned by John V. Ruehle, and occupied by C. Maroispski. Cause, incendiary. Companies attending, 2, 3, 6, C. 1, and H. & L. 1, s. No. of officers present, 3. Officer commanding, Chief Engineer. Loss on building, \$50. No insurance. Maroispski's loss, \$200. Insurance, \$500. Valuation, \$500. Total loss, \$250. Insurance, \$500. Valuation, \$600.

31st—At 1.45 A. M., box 212. No. 716 Michigan avenue. One and one-half story frame dwelling, un-occupied, owned by George Rowe. Cause, incendiary. Companies attending, 4, 8, and H. & L. 1. No. of officers present, 1. Officer commanding, District Engineer. No loss.

31st—At 11.15 P. M., box 16. No. 8 Woodward avenue. Two story brick saloon, owned by Edward Johnson, occupied by T. Gorman. Cause, hot ashes. Companies attending, 1, 2, 3, 5, C. 1, and H. & L. 1, s. No. of officers present, 3. Officer commanding, Chief Engineer. Johnson's loss on building, \$500. Insurance, \$3,000. Gorman's loss, \$185. Insurance, \$2,000. P. Henkel's loss, \$250. Insurance, \$3,000. Total loss, \$935. Insurance, \$8,000. Valuation, \$10,000.

31st—At 11.45 P. M., tower 131. Holden road. One story frame barn, owned by John Jackson. Cause, defective chimney. Company attending, 9. No. of officers present, 1. Officer commanding, Assistant Chief. Loss, \$500. Valuation, \$800. No insurance.

#### SUMMARY OF LOSS, INSURANCE, AND VALUATION FOR THE MONTH OF JANUARY.

Loss, \$38,738. Insurance, \$102,300. Valuation, \$159,625.

### Yearly Recapitulation for Eleven Years.

YEAR.	No. of Fires.	Total Loss.	Insurance Paid.	Loss over Insurance.	Total Insurance.	Valuation.
1867.....	212	\$185,473 41	\$135,201 41	\$50,272 00	.....	.....
1868.....	137	99,828 00	88,463 00	31,365 00	.....	.....
1869.....	152	240,490 00	188,757 00	51,733 00	.....	.....
1870.....	190	172,960 00	152,431 00	20,529 00	.....	.....
1871.....	191	239,206 00	174,494 50	63,511 50	.....	.....
1872 to M.	128	192,935 00	141,276 00	51,659 00	.....	.....
1873.....	154	390,315 08	322,930 00	67,384 00	.....	.....
1874.....	240	195,249 00	119,109 00	76,140 00	.....	.....
1875.....	222	250,909 00	207,698 00	43,211 00	.....	.....
1876.....	232	202,433 00	.....	.....	706,182 60	1,147,515 00
1877.....	240	238,832 00	.....	.....	541,328 00	921,873 00
Total.....	2,098	\$2,408,430 41	\$1,511,360 91	\$455,204 50	\$1,247,710 00	\$2,069,388 00

### Recapitulation for 1877.

MONTHS.	No. of Fires and Alarms.	No. of Fires.	No. of Alarms.	Fires by Day.	Fires by Night.	Alarms by Day.	Alarms by Night.	Box Alarms.	Tower Alarms.	Still Alarms.
February .....	19	15	4	5	10	3	1	13	5	1
March .....	25	24	1	8	16	1	...	17	8	...
April .....	21	14	7	3	11	4	3	10	10	1
May .....	19	14	5	6	8	4	1	16	3	...
June .....	16	10	6	3	7	4	2	12	4	...
July .....	28	24	4	10	14	1	3	19	8	...
August .....	15	10	5	3	7	2	3	8	7	...
September .....	19	13	6	5	8	3	3	14	5	...
October .....	23	19	4	5	14	1	3	18	5	...
November .....	16	13	3	6	10	1	2	12	4	...
December .....	15	14	1	6	8	1	...	7	6	...
January .....	24	20	4	9	11	2	2	19	5	...
Total.....	140	190	50	66	124	27	23	165	70	5

## Causes of Fires.

	No.		
Incendiary.....	40	Accidental from Stove.....	6
Defective Chimney.....	37	Spontaneous Combustion.....	7
Lamp Explosion.....	20	Burning Straw.....	6
Hot Ashes.....	19	Smoking Pipe in Stable.....	4
Chimney Burning.....	19	Sparks from Locomotive.....	3
Over Heating.....	17	Fire Crackers.....	3
Careless use of Matches.....	16	Testing Telegraph.....	3
Bonfires.....	10	Light seen out of City.....	2
Sparks from Chimneys.....	8	Gas Light in Window.....	2
Defective Stove Pipe.....	8	Defective Furnace.....	2
Unknown.....	6	Rats and Matches.....	1
		Wood Box on Fire.....	1
Total.....			206

## Monthly Table of Losses, Insurance and Valuation for 1877 and 1878.

MONTHS.	No. of Fires.	Total Loss.	Insurance.	Valuation.
February.....	15	\$7,765 00	\$37,350 00	\$53,600 00
March.....	24	17,116 00	69,948 00	104,325 00
April.....	14	7,653 00	25,625 00	41,100 00
May.....	14	34,480 00	36,960 00	77,250 00
June.....	10	62,187 00	37,075 00	106,550 00
July.....	24	24,144 00	39,690 00	76,250 00
August.....	10	3,080 00	16,480 00	28,200 00
September.....	13	21,175 00	32,900 00	68,800 00
October.....	19	7,115 00	24,550 00	32,300 00
November.....	13	8,470 00	13,600 00	21,673 00
December.....	14	6,900 00	104,850 00	152,200 00
January.....	20	38,738 00	102,300 00	159,625 00
Total.....	190	\$238,832 00	\$541,328 00	\$921,873 00

## Classification of Buildings, Etc.

BUILDINGS.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	Total.
Brick.....	5	7	4	3	1	9	1	3	6	1	3	3	46
Frame.....	13	18	15	14	10	16	11	13	15	12	12	21	170
Steam Boats.....	...	...	...	1	1	...	...	...	...	...	...	...	2
Ash Barrels.....	...	...	...	...	...	...	...	2	...	...	...	...	2
Bonfires.....	...	...	...	1	...	1	2	1	...	2	...	...	6
Rubbish burning.....	...	...	1	...	...	1	...	...	...	...	...	...	3
Straw burning.....	1	...	1	...	4	...	...	...	...	...	...	...	6
Testing Telegraph.....	...	...	...	...	...	1	1	...	1	...	...	...	3
Out of City.....	...	...	...	...	...	...	...	...	1	...	...	...	1
Iron Tar Kettle.....	...	...	...	...	...	...	...	...	...	1	...	...	1
Total.....	19	25	21	19	16	28	15	19	23	16	15	24	240

# REPORT OF THE FIRE MARSHAL.

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OFFICE OF FIRE MARSHAL, }  
DETROIT, February 15, 1878. }

*To the Honorable Board of Fire Commissioners:*

GENTLEMEN—I have the honor to present, as required by law, my first annual report of the business transacted in my office up to the 31st day of January, 1878.

The report covers only the period of a little more than four months, the work having been commenced in the latter part of September, 1877.

The greater part of my time and attention has been given to the enforcement of the ordinances for the prevention of fires and the protection of life and property, but these ordinances have been in such a crude and imperfect condition that the results have been far from satisfactory. However, some progress has been made, even under discouraging circumstances, and I am happy to state that a new ordinance has just been passed by the Common Council and approved by his honor the Mayor, which it is hoped will accomplish much towards protecting the city from disastrous conflagrations in the future.

It is not expected that this result will be reached at once, but that as wooden structures pass away by fire, decay or other causes, in the centre of the city, they will be replaced by substantial brick structures so built as to offer some obstruction to the progress of fires.

One important feature of this new ordinance is that it is general in its application, with no power given to anybody to permit a violation of its provisions; and another is that all new buildings in the city will come under the supervision of this office so far as chimneys and other heating appliances are concerned.

The first of these, following a decision of Judge Swift, does away with all legislation in favor of special cases, and so with the chief difficulty in enforcing the ordinance, and it is hoped that the second will be of value in preventing the defective construction of chimneys, which is now by far the most prolific source of accidental fires.

There is a large space east of the present limit in the seventh and tenth wards, and west in the eighth ward, very thickly built up, over which the restrictions of the fire limits should be thrown before the occurrence of a disastrous fire shall give cause for regret.

Any law of this kind is liable to be a hardship in individual cases, but to the greatest number the advantages will greatly overbalance the evils.

Those persons whose property is included in the fire limits have a right to demand that their neighbors similarly situated shall not be permitted to endanger them by the accumulation of inflammable materials and buildings. This should at least be carried to such an extent as to include within the fire limits all the central and thickly built portions of the city.

I consider this a favorable time to extend the fire limits and enforce the provisions of the ordinance, as at the present prices of materials a building of a given size and finish can be built as cheaply of brick as of wood, and the reduced cost of fuel and insurance, as well as the greater durability, make the investment in brick much the better.

Detroit is largely a city of homes, very many of them bought by laboring men and mechanics on the plan of small payments and long time, and whatever can be done to protect them in such ownership will be a boon to the laboring classes.

I desire to acknowledge the assistance of the members of the fire and police departments in the performance of my duties, and return thanks to the individual members of your honorable body for many courtesies.

Respectfully,

GEORGE DUNLAP,  
*Fire Marshal.*

## Report of Business transacted from September 17, 1877, to January 31, 1878.

Complaints received.....	78
Premises examined.....	204
Notices to stop building.....	20
Notices to remove buildings erected contrary to ordinance.....	20
Notices to stop the removal of buildings.....	3
Notices to secure stoves or other heating appliances.....	30
Notices to remove ashbox.....	1
Notices to remove naphtha.....	2
Notices to protect hoistways.....	6
Notices to provide means of escape for employes.....	1
Matters of Reference from Common Council.....	15
Reports and Communications to Common Council.....	16
Complaints to Recorder's Court.....	8
Permits to build issued.....	30
Permits to repair or make alterations.....	14
Fees received.....	\$60 60

## Report of Permits Issued and Fees therefor from September 17, 1877, to January 31, 1878.

### OCTOBER.

DAY.	NAME.	NATURE OF IMPROVEMENT.	ESTIMATED COST.	FEES.
2	A. Jackson.....	Raise and repair woodshed.....	\$30 00	1 00
3	John Morris.....	Store.....	200 00	1 00
4	Peter Wynn.....	Repair store, etc.....	300 00	1 00
10	Thomas McGregor.....	Boiler shop.....	2,600 00	2 00
11	Jacob Mann.....	Ice house.....	1,000 00	1 00
11	Charles Tigeler.....	Planing mill, etc.....	2,500 00	2 00
11	Jane Copland.....	Rebuild bakery.....	4,500 00	2 00
12	John Woodley.....	Blacksmith shop.....	75 00	1 00
13	Charles Heinecke.....	Repair dwelling.....	100 00	1 00
15	Henry Langley.....	Store, etc.....	2,500 00	2 00
15	S. H. Jones.....	Frame cottage as per'd Council	800 00	1 00
18	Candler Bros.....	Dwelling.....	8,000 00	2 60
18	Candler Bros.....	Dwelling.....	8,500 00	2 80
18	C. L. Ortman.....	Rear addition to dwelling.....	600 00	1 00
19	Hiram Walker.....	Two Stores.....	5,800 00	2 20
19	H. D. Wilmarth.....	Dwelling.....	3,500 00	2 00
20	Mrs. E. Stone.....	Repair dwelling.....	750 00	1 00
22	Wm. C. Maybury.....	Dwelling.....	4,500 00	2 00
23	Jesse H. Farwell.....	Store.....	1,000 00	1 00
24	Wm. Schildbeck.....	Barn.....	200 00	1 00
25	Joseph La Chapelle.....	Dwelling.....	1,000 00	1 00
26	E. Teakle.....	Rear addition to dwelling.....	150 00	1 00
26	J. W. Fernald.....	Dwelling.....	2,500 00	2 00
29	W. A. McGraw.....	Alterations to dwelling.....	1,350 00	2 00
Paid to Fire Commission, November 5, 1877.....				\$36 60

## NOVEMBER.

2	Walter J. Gould.....	Storehouse .....	1,000 00	\$1 00
2	John H. Allen.....	Blacksmith shop and dwelling..	1,000 00	1 00
3	G. S. Worman.....	Alterations to dwelling.....	1,000 00	1 00
7	Mrs. E. L. Dagens .....	One story store.....	45 00	1 00
10	John B. Schwenck.....	Repair to store and dwelling...	400 00	1 00
20	J. W. Sutton.....	Dryhouse and shed .....	500 00	1 00
20	Simon Nelson.....	Alterations to store.....	360 00	1 00
22	S. G. Rand.....	Stable .....	50 00	1 00
23	B. Creasey.....	Wood office.....	20 00	1 00
26	Fred. Bamford.....	Repairs to shed.....	25 00	1 00
30	J. A. Smith.....	Dwelling .....	900 00	1 00
Paid to Fire Commission, December 3, 1877.....				\$11 00

## DECEMBER.

22	Thomas McGrath.....	Ice house and brewery.....	2,500 00	\$2 00
28	James Lount .....	Store and dwelling.....	2,500 00	2 00
Paid to Fire Commission, January 7, 1878.....				\$4 00

## JANUARY.

3	Charles F. Zange.....	Tin shop.....	210 00	\$1 00
7	Simon Gerber.....	Barn and rag loft.....	800 00	1 00
19	Amos Chaffee.....	Repair store.....	1,000 00	1 00
21	A. C. McGraw.....	Repair two stores.....	3,000 00	2 00
21	A. C. McGraw.....	Repair store.....	1,500 00	2 00
25	James Burns.....	Repair store.....	1,000 00	1 00
25	J. T. Hurt.....	Additions to store.....	700 00	1 00
Paid to Fire Commission, February 4, 1878.....				\$9 00

Total fees, \$60.60.

All of which is respectfully submitted.

GEORGE DUNLAP,  
*Fire Marshal.*

# REPORT

OF THE

## SUPERINTENDENT OF TELEGRAPH.

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OFFICE OF THE SUPERINTENDENT OF FIRE ALARM TELEGRAPH, }  
DETROIT, February 1st, 1878.

*To the Honorable Board of Fire Commissioners :*

GENTLEMEN :—The following is respectfully submitted as the report of the working of the Fire Alarm Telegraph, for the year ending January 31st, 1878 :

During the year the fire alarm has continued, except in a few cases, to give entire satisfaction. In the instances mentioned the alarm did not come in properly, and upon investigation it was found that the insulated kerite wire used in gas pipes, and running into the boxes, was in very bad condition, having been eaten full of holes by the rusting of the gas pipe ; although the said pipes are stopped at the top by a water tight cork and sealed with white lead, they do, in the changes of the atmosphere and temperature, gather moisture and sweat constantly, causing rust, and destroying, as above stated, the kerite wire. In fifteen cases I was obliged to remove the wire and replace it with four wire cable, but I am satisfied that the same cause will destroy that wire also. I have hit upon a plan, I think not used elsewhere, which will, at a very small expense, remedy the evil complained of, and enable us to use the greater part of the old wire. I send herewith a sample of the same, and I most respectfully recommend that it be used in the remaining boxes. I am satisfied it will prove a great benefit, and prevent any future trouble from that

direction. Nine fire alarm boxes have been put in circuit, numbered as follows, viz: 8, 9, 19, 25, 37, 73, 74, 137, 156, located as per card, and one box numbered 127, not yet connected. The battery stand having become too small to accommodate the necessary jars, it has been rebuilt in different form, and enlarged so that it now will contain one hundred and twenty jars more than we are now using. Fifteen telegraph poles have been used in extending the lines for the new boxes, and three miles of galvanized iron wire has been used to close in number seven circuit, as I could not keep a ground connection good in Third street. Fifty cups of battery has been added, required for the new boxes.

Nothing has been done in the past year in regard to the painting of poles and boxes, as I intended to leave as much as possible of the

The ground wires in boxes must be renewed the present year, as the old ones are all eaten out and entirely useless. The greater part of the boxes should be cleaned and repaired, and several of the electro magnets will need to be rewound. Three miles of line should be built, running up Third street and crossing over Antoinette avenue and Woodward to Beaubien street to close in the circuit, as at first contemplated.

Although several localities have been asking for more fire alarm boxes, and although some portions of the city need them, yet, owing to the stringency of the times, and to the fact that your Hon. Body are exercising the closest economy, I decline to ask you for any more telegraph expenditure, leaving that to your own judgment in the matter.

Very Respectfully, etc.,

M. H. GASCOIGNE,  
*Superintendent Fire Alarm Telegraph.*



REPORT  
OF THE  
SUPERINTENDENT OF WATER SUPPLY.

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DETROIT, February, 1st, 1877.

*To the Honorable Board of Fire Commissioners :*

GENTLEMEN :—I most respectfully forward the following statement in detail of the extensions, alterations and repairs to the water supply of the Fire Department for the year ending January 31st, 1878 :

The accompanying tables will show that the amount of extension and repairs during the year just past, is very much greater than ever before done in any one year.

The following is a summary of work done and material used in the said improvement, viz :

Forty-two thousand one hundred and thirty five (42135) pounds iron pipe and branches ; three thousand and sixty four (3064) pounds of pig lead ; ninety-eight new iron hydrants ; six iron hydrants, old pattern, and nine wooden box hydrants ; sixteen broken iron hydrants and twenty-seven wooden box hydrants have been replaced with new iron hydrants ; twenty-two iron hydrants, and twelve wooden box hydrants have been repaired and replaced, and one hundred and twenty-one hydrants have been drained ; fourteen hydrants have been abandoned and removed, thirteen of these were removed because the locations of the new hydrants were more suitable, and one was removed from the south side of Woodbridge street, it being an obstruction to teams. Three new reservoirs have been constructed, and two abandoned ; thirty-five stop valves with boxes, caps

and covers, and twenty-seven stop valves, covers and frames, have been used to replace old covers which were continually coming off, to the great danger of passing horses. Seventy-two frost jackets (upon iron hydrants) which had been heaved by the frost, have been driven down to their proper places. Twenty-eight wooden hydrant boxes and eighteen drain boxes, have been used in repairing hydrants. Twenty-one iron covers have been placed upon reservoirs.

The water supply is now in splendid condition, and I know of but few places in the city which are not fully protected with hydrants and reservoirs. A few of the wooden box hydrants, although not in bad condition, should be replaced by others of larger capacity, and perhaps one or two reservoirs might be located in the extreme outskirts. I believe but few cities in the country are better supplied with water facilities for fire purposes than Detroit.

All of which is respectfully submitted.

M. H. GASCOIGNE,  
*Superintendent of Water Supply.*

**Iron Hydrants placed in new locations during the year 1877, giving size of Main and Feed Pipes, condition of Drains, etc.**

No.	Street Corner.	LOCATION OF HYDRANTS.	MAIN Pipe.	FEED Pipe.	CONDITION OF DRAIN.
1	S. E.	Orleans and Maple streets.....	8	4	New.
2	S. Side	Wight street at Frost's Wooden Ware Works.....	4	4	"
3	"	Wight street at Croul Brothers' Tannery.....	4	4	"
4	N. E.	Riopelle and Marion streets.....	4	4	"
5	"	Riopelle and Brewster streets.....	4	4	"
6	S. E.	Russell and Sherman streets.....	4	4	"
7	N. E.	Rivard and Macomb streets.....	10	4	"
8	N. W.	Hastings and High streets.....	6	4	"
9	"	Hastings and Napoleon streets.....	6	4	"
10	"	Beaubien and Columbia streets.....	4	4	"
11	N. E.	Beaubien and High streets.....	4	4	"
12	N. W.	Brush and High streets.....	4	4	"
13	S. W.	Brush and Edmund streets.....	24	4	None.
14	S. E.	Randolph and Lafayette streets.....	6	4	New.
15	"	Randolph and Macomb streets.....	6	4	"
16	N. W.	Woodward avenue and Sibley street.....	10	4	"
17	"	Woodward avenue and Peterboro street.....	10	6	"
18	"	Woodward avenue and Stimson street.....	10	6	"
19	"	Woodward avenue and Davenport street.....	10	6	"
20	"	Woodward avenue and Parsons street.....	10	6	"
21	"	Woodward avenue and Campbell street.....	10	6	"
22	"	Woodward and Alexandrine avenues.....	10	6	"
23	"	Woodward and Willis avenues.....	10	4	"
24	"	Woodward avenue and Helen street.....	10	4	"
25	"	Woodward avenue and Forest avenue.....	10	4	"
26	"	Hancock and Woodward avenues.....	10	4	"
27	"	Woodward and Warren avenues.....	10	4	"
28	"	Woodward avenue and Frederick street.....	10	4	"
29	"	Woodward and Centennial avenues.....	10	4	"
30	"	Woodward and Ferry avenues.....	10	4	"
31	"	Woodward avenue and Holden Road.....	10	4	"
32	"	Cass avenue and Henry street.....	10	6	"
33	"	Cass avenue and Ledyard street.....	10	4	"
34	S. E.	Cass and Charlotte avenues.....	10	4	"
35	E. Side	Cass avenue opposite Brainard street.....	8	4	"
36	N. W.	Cass and Warren avenues.....	6	4	"
37	N. E.	Second and High streets.....	6	4	"
38	"	Second and Henry streets.....	6	4	"
39	"	Second and Ledyard streets.....	6	4	"
40	S. W.	Third and Orchard streets.....	4	4	"
41	N. E.	Crawford and Vine streets.....	6	6	"
42	"	Crawford and Marcy streets.....	6	4	"
43	E. Side	Crawford opposite Buena Vista street.....	6	4	"
44	N. E.	Crawford and Pitcher streets.....	6	4	"
45	"	Crawford and Fulton streets.....	6	4	"
46	"	Crawford and Tuscola streets.....	6	4	"
47	"	Trumbull avenue and Abbott streets.....	24	6	"
48	"	Tenth and Howard streets.....	8	4	None.
49	"	Tenth and Abbott street.....	8	4	"
50	"	Tenth and Porter streets.....	8	4	"
51	"	Tenth and Labrosse streets.....	8	4	"
52	N. Side	Baker street between Tenth and Twelfth streets.....	8	4	"
53	N. W.	Fort and Fifteenth streets.....	6	4	New.
54	W. Side	Clark avenue at Michigan Car Shops.....	6	4	None.
55	"	Clark avenue at Michigan Car Shops.....	6	4	"

### Iron Hydrants (old pattern) placed in new location during the year.

No.	STREET CORNER.	LOCATION OF HYDRANTS.	MAIN PIPE.	FEED PIPE.	CONDITION OF DRAIN.
1	N. W.	Hastings and Columbia streets.....	6	4	New.
2	"	Hastings and Marion streets.....	6	4	"
3	"	Hastings and Bronson streets.....	6	4	"
4	"	Hastings and Alfred streets.....	6	4	"
5	"	Hastings and Brewster streets.....	6	4	"
6	"	Hastings and Wilkins streets.....	6	4	"

### Wooden Box Hydrants placed in new locations during the year 1877, with size of Main and Feed Pipes, etc.

No.	STREET CORNER.	LOCATION.	SIZE OF MAIN PIPE.	SIZE OF FEED PIPE.	CONDITION OF DRAIN.
1	N. E.	Eighteenth and Canfield streets.....	2½	4	Good.
2	S. E.	Dequindre and Maple streets.....	4	4	None.
3	"	Prospect and Columbia streets.....	6	4	New.
4	N. E.	Beaubien and Indiana streets.....	10	4	"
5	"	Beaubien and Illinois streets.....	10	4	"
6	"	Beaubien and Leland streets.....	10	4	"
7	E. Side	Beaubien opposite Alexandrine avenue.....	10	4	"
8	N. E.	Crawford and Brigham streets.....	6	4	"
9	N. W.	Maybury avenue and Myrtle street.....	2½	4	"

### Iron Hydrants repaired and replaced during the year 1877, with kind of repairs, size of pipes, drainage, etc.

No.	STREET CORNER.	LOCATIONS.	KIND OF REPAIRS.	SIZE OF MAIN PIPE.	SIZE OF FEED PIPE.	CONDITION OF DRAIN.
1	N. W.	Jefferson avenue and Rivard street.....	New valve.....	10	4	.....
2	N. Side	Franklin bet. Rivard and Riopelle streets	New valve and box	6	4	Good.
3	S. W.	Orleans street and Gratiot avenue.....	Removed to curb..	8	4	"
4	N. W.	Hastings and Bronson streets.....	New shell, etc.....	6	4	New.
5	"	Randolph and Atwater streets.....	Reset straight.....	4	4	"
6	S. W.	Michigan Grand avenue and Bates st..	Raised to grade.....	24	4	"
7	N. W.	Woodward avenue and Elizabeth street	Con. to new pipe...	10	4	"
8	"	Woodward avenue and Montcalm st.....	Con. to new pipe...	10	4	"
9	"	Park street and Adams avenue.....	New valve and box	6	4	"
10	"	Park street and Elizabeth street.....	New valve and box	6	4	"
11	"	Cass avenue and Gilman street.....	Valve and box.....	10	4	"
12	E. Side	Cass avenue opposite Pitcher street.....	Valve and box.....	10	4	"
13	S. E.	Michigan avenue and Third street.....	Con. to new pipe...	8	4	Good.
14	S. Side	Michigan avenue bet. 7th and 8th sts...	Con. to new pipe...	8	4	"
15	"	Michigan avenue and Seventh street...	Con. to new pipe...	10	6	"
16	N. W.	Baker and Eighth streets.....	Caulking box.....	8	4	"
17	S. E.	Grand River avenue and High streets...	Removing to curb	4	4	New.
18	N. Side	Walnut bet. Eight and Ninth streets.....	Con. to new pipe...	24	4	"
19	N. E.	Trumbull avenue and Fort street.....	Removed 120 feet..	6	4	"
20	S. W.	Twelfth and Walnut streets.....	Raised to grade...	24	4	"
21	N. W.	Baker and Sixteenth streets.....	New valve and box	8	4	Good.
22	"	Twenty Second and Fort streets.....	New valve, etc.....	8	4	"

### Iron Covers placed on Reservoirs during the year.

No.	LOCATIONS.
1	N. E. corner Hastings and Franklin streets.
2	N. W. corner Hastings and Woodbridge streets.
3	S. E. corner Hastings and Lafayette streets.
4	S. E. corner Antoine and Croghan streets.
5	N. W. corner Beaubien and Larned streets.
6	N. W. corner on Beaubien, south of Croghan, corner of alley.
7	S. W. corner Brush and Congress streets.
8	N. E. corner Randolph street and Adams avenue.
9	S. W. corner Bates and Congress streets.
10	S. W. corner at junction of Rowland and Griswold streets.
11	S. W. corner at junction of Rowland and Griswold streets.
12	S. E. corner Wayne and Lafayette streets.
13	N. W. corner Cass street and Jefferson avenue.
14	N. W. corner Cass and Howard streets.
15	East side Third street between Fort and Congress streets.
16	N. W. corner Fort and Shelby streets.
17	S. W. corner Fifth street and Michigan avenue.
18	S. W. corner Fifth street and Porter street.
19	S. W. corner Woodward and Adams avenues.
20	S. E. corner Fort and Fifteenth-and-a-half streets.
21	N. E. corner Beaubien and Croghan streets.

In addition to the above twenty-seven stop-valve caps have been replaced during the year by new ones, the old ones were continually coming off, to the great danger of persons and of horses.

### Iron Hydrants used to replace Wooden Box Hydrants during 1877, with cause of removal, size of pipes, etc.

No.	STREET CORNER.	LOCATION.	CAUSE OF REMOVAL.	SIZE OF MAIN.	SIZE OF BRD.	CONDITION OF DRAIN.
1	S. W.	Orleans and Congress streets .....	Too small .....	8	4	New.
2	"	Orleans and Lafayette streets.....	Leaking .....	8	4	"
3	N. W.	Orleans and Macomb streets.....	Too small.....	8	4	"
4	S. W.	Orleans and Clinton streets.....	Leaking .....	8	4	"
5	N. W.	Orleans and Mullett streets .....	Too small.....	8	4	"
6	"	Orleans and Sherman streets .....	Too small.....	8	4	"
7	"	Orleans and Chestnut streets.....	Too small.....	8	4	"
8	"	Orleans and Jay streets.....	Too small.....	8	4	"
9	"	Orleans and Marion streets.....	Too small.....	8	4	"
10	"	Orleans and Bonin streets.....	Too small.....	8	4	"
11	S. W.	Orleans and Division streets.....	Leaking .....	8	4	"
12	N. E.	Riopelle and Maple streets.....	New grade and paving .....	4	4	"
13	"	Russell and Macomb streets.....	Leaking .....	4	4	"
14	S. E.	Rivard and Fort streets .....	Broken .....	10	4	"
15	"	Rivard and Clinton streets .....	Leaking .....	10	4	"
16	N. W.	Antoine and Macomb streets .....	Leaking .....	4	4	"
17	N. E.	Brush and Franklin streets .....	Broken .....	4	3	"
18	N. W.	Brush and Congress streets.....	Blocking sidewalk.....	24	4	"
19	S. E.	Park and Montclair streets.....	Leaking .....	4	4	"
20	"	Park and Spruce streets.....	Broken .....	4	4	"
21	S. W.	Park Place and State streets.....	Leaking .....	4	4	"
22	"	Second and Lewis streets.....	Broken .....	4	4	Good.
23	S. E.	Second and Jones streets.....	Leaking .....	4	4	"
24	N. E.	Second and Beach streets.....	Broken .....	4	4	New.
25	N. W.	Second and Orchard streets.....	Leaking .....	4	4	"
26	S. E.	Second and Plum streets.....	Broken .....	4	4	"
27	N. W.	Thirteenth-and-a-half and Mich. av	Leaking.....	8	4	"

**Wood Box Hydrants repaired and replaced during the year  
1877, with kind of repairs, size of pipes, etc.**

No.	STREET CORNER.	LOCATION.	REPAIRS.	SIZE OF MAIN.	SIZE OF FEED.	CONDITION OF DRAIN.
1	S. E.	Dequindre and Congress streets.....	New valve and box .....	4	4	New.
2	N. W.	Russell and Clay Streets.....	New packing, etc.....	4	4	"
3	S. W.	Prospect and Montcalm streets.....	New box and flange.....	4	4	"
4	N. W.	Prospect and High streets.....	New box and valve.....	4	4	"
5	"	Prospect and Marion streets.....	New valve, box & pk'g.....	4	4	"
6	"	Prospect and Napoleon streets.....	Box, valve and packing.....	4	4	"
7	"	Antoine street and Adams avenue..	New valve and cover.....	4	4	"
8	S. W.	Beaubien and Farn-worth streets...	New valve and seat.....	10	4	"
9	"	Twelfth and Myrtle streets.....	Connecting to pipe.....	6	4	"
10	N. E.	Fifteenth and Myrtle streets.....	New valve and jacket...	2½	2½	"
11	"	Sixteenth and Myrtle streets.....	New valve and cover...	2½	2½	"
12	"	Eighteenth and Myrtle streets.....	New valve and rod.....	2	2½	"

**Hydrants abandoned and removed during the year 1877,  
giving cause of removal, etc.**

No.	STREET CORNER.	LOCATION.	CAUSE OF REMOVAL.
1	S. W.	Brush and High streets.....	Feed from Main too small.
2	S. E.	Woodward avenue and Erskine street.....	Too small for new 10 inch pipe.
3	E. Side	Woodward ave., bet. Simson and Brady sts....	Too small for new 10 inch pipe.
4	S. W.	Woodward avenue and Brady street.....	Too small for new 10 inch pipe.
5	E. Side	Woodward bet. Campbell and Alexandrine aves...	Too small for new 10 inch pipe.
6	"	Woodward bet. Alexandrine and Willis aves....	Too small for new 10 inch pipe.
7	"	Woodward ave., bet. Willis ave. and Fremont st	Too small for new 10 inch pipe.
8	"	Woodward ave., bet. Fremont and Helen sts....	Too small for new 10 inch pipe.
9	S. W.	Woodward and Forest avenues.....	Too small for new 10 inch pipe.
10	N. W.	Woodward and Warren avenues.....	Too small for new 10 inch pipe.
11	"	Woodward and Centennial avenues.....	Too small for new 10 inch pipe.
12	S. E.	Woodward avenue and Holden Road.....	Too small for new 10 inch pipe.
13	N. E.	Third and Plum street .....	Broken with frost.
14	S. Side	Woodbridge st., at D.L. & L.M. Freight House	Broken by team and useless.

**Reservoirs abandoned during the year 1877, with cause of  
abandonment.**

No.	STREET CORNER.	LOCATIONS.	CAUSE OF ABANDON- MENT.
1	N. E.	Rivard and Macomb streets.....	Too high for grade of paving.
2	N. W.	Third and Abbott streets.....	Too high for grade of the new paving and feed too small.

### New Reservoirs constructed during the year 1877, with size of Main Pipe, Feed, Valve, etc.

No.	STREET CORNER.	LOCATIONS.	CAPACITY IN GALS.	MAIN.	FEED PIPE.	SIZE OF VALVE.
1	S. W.	McDougall avenue and Sherman street.....	6,768	2½	2½	4 inch.
2	N. E.	Elmwood avenue and Chestnut street.....	6,768	2½	2½	4 inch.
3	"	Congress and Lieb streets.....	6,768	2½	2½	4 inch.
4	"	In addition to the above a new curb and section tube were put in and connected near Berry Bros. varnish factory sizes as follows:	16,000	2½	2½	4 inch.

### Reservoirs Repaired during the Year 1877, giving the quantity and kind of repairs made, etc.

No.	STREET CORNER.	LOCATIONS.	REPAIRS.
1	N. E.	Lieb and Wight streets.....	Removing to connect with new valve to new 6 in. pipe.
2	S. E.	Jos Campau ave. and Lafayette st.....	Connecting to new 6 inch pipe.
3	N. E.	Russell and Leland streets.....	Packing with clay to stop leak.
4	N. W.	Dequindre and Wilkins streets.....	New tripod, rod and valve.
5	S. E.	Hastings and Montcalm streets.....	Connecting to new 6 inch pipe.
6	S. W.	Hastings and Division streets.....	Connecting to new 6 inch pipe.
7	"	Antoine and Illinois streets.....	New valve and cover.
8	"	Congress and Brush streets.....	New top, curb and iron cover.
9	N. E.	Woodward and Jefferson avenues.....	New valve rod, tripod and hood-nut.
10	S. W.	Woodward avenue and Fort street.....	New gasket and valve plate.
11	"	Woodward and Adams avenues.....	New valve and complete connection to new pipe
12	N. W.	Woodward and Putnam avenues.....	Two new valves and connection to new 10 inch pipe.
13	"	Woodward and Antoinette avenues.....	Curb removed and raised to grade.
14	S. W.	Griswold and Fort streets.....	New timbers and beam, neck and cover.
15	"	Michigan avenue and Second streets.....	New timbers, neck and cover, and connection to new pipe and valve removed.
16	S. E.	Third street and alley south of Fort .....	New neck, curb and cover.
17	S. W.	Michigan avenue and Fifth street.....	Connecting to new 8 inch pipe.
18	E. Side	Trumbull ave., bet. Lafayette and Howard	New valve and connecting to new valve.
19	S. W.	Trumbull avenue and Porter street.....	Cut down and graded new neck and valve.
20	S. E.	Trumbull avenue and Pine street.....	New connection to 4 inch pipe (new.)
21	E. Side	Trumbull ave., bet. Baker and Leverette.	New gasket and valve repairs.
22	N. W.	Crawford and Maria streets.....	New valve and connecting to new pipe.
23	S. E.	Crawford and Cutler streets .....	Connection to new 6 inch pipe.
24	N. W.	Cass avenue and Jones street .....	New valve and connecting to new 10 inch pipe.
25	N. E.	Fifteenth street and Michigan avenue.....	Entire new connections and valve to new 8 inch pipe.
26	N. W.	Twelfth and Hazel streets .....	New valve and connections to new 6 inch pipe.
27	N. E.	Eighteenth and Michigan avenue.....	New valve and connections to new 8 inch pipe.
28	"	Maybury and Michigan avenues.....	New valve and connections to new 8 inch pipe.
29	"	Lieb and Wight streets .....	Extra valve in upper tub, etc.

**New Stop Valves set during the year 1877, giving distance of Valve from Main, and size of Valve.**

No.	STREET CORNER.	LOCATION.	SIZE OF	DISTANCE
			MAIN.	FROM MAIN.
			Inch.	Feet.
1	E. Side	Congress street bet. Griswold street and Woodward avenue.....	4	3
2	S. E.	Clinton avenue and Rivard street.....	4	12
3	N. E.	Grand River and Cass avenues.....	6x4	8
4	N. W.	Cass avenue and High street.....	6x4	12
5	S. E.	Cass avenue and Bagg street.....	6x4	10
6	N. E.	Park and Bagg streets.....	6x4	5
7	S. E.	Woodward avenue and Larned street.....	4	12
8	S. W.	Woodward avenue and Montcalm street.....	4	8
9	N. W.	Woodward avenue and Sibley street.....	4	5
10	"	Woodward avenue and Peterboro street.....	4	6
11	"	Woodward avenue and Stimson street.....	4	8
12	"	Woodward avenue and Davenport street.....	4	7
13	"	Woodward avenue and Campbell street.....	4	7
14	"	Woodward avenue and Alexandrine avenue.....	4	7
15	"	Woodward avenue and Willis avenue.....	4	8
16	"	Woodward avenue and Helen street.....	4	6
17	"	Woodward avenue and Parsons street.....	4	7
18	"	Woodward avenue and Forest street.....	4	8
19	"	Woodward avenue and Hancock avenue.....	4	7
20	"	Woodward avenue and Warren avenue.....	4	7
21	"	Woodward avenue and Frederick street.....	4	7
22	"	Woodward avenue and Centennial avenue.....	4	7
23	"	Woodward avenue and Ferry street.....	4	6
24	"	Woodward avenue and Holden Road.....	4	6
25	"	Cass avenue and Ledyard street.....	4	5
26	S. W.	Orleans and Congress streets.....	4	6
27	"	Orleans and Lafayette streets.....	4	5
28	N. W.	Orleans and Macomb streets.....	4	5
29	S. W.	Orleans and Clinton streets.....	4	3
30	"	Orleans and Mullett streets.....	4	4
31	"	Orleans and Sherman streets.....	4	6
32	"	Orleans and Jay streets.....	4	6
33	N. W.	Woodward avenue and Bagg street.....	4	8
34	"	Rivard and Macomb streets.....	4	7
35	E. Side	Cass avenue opposite Brainard street.....	4	6

**New Iron Hydrants used to replace leaking and broken Iron Hydrants, during the year 1877.**

No.	STREET CORNER.	LOCATIONS.	CAUSE OF REMOVAL.	SIZE OF	SIZE OF	CONDITION OF DRAIN.
				FEED.	MAIN.	
1	N. W.	Jefferson avenue and Riopelle street.....	Leaking	4	10	New.
2	N. E.	Jefferson avenue and Russell street.....	Broken.	4	10	"
3	"	Atwater and Rivard streets.....	Broken.	4	4	"
4	N. W.	Jefferson avenue and Rivard street.....	Leaking	4	10	"
5	"	Jefferson avenue and Antoine street.....	Leaking	4	10	"
6	"	Jefferson avenue and Bates street.....	Broken.	6	6	"
7	S. W.	Woodward avenue and Larned street.....	Broken.	6	8	"
8	"	Woodward avenue and Congress street.....	Broken.	6	8	"
9	"	Woodward avenue and Bagg street.....	Broken.	6	10	"
10	N. E.	Cass and Grand River avenues.....	Broken.	6	10	"
11	N. Side.	Congress between Griswold and Woodward avenue...	Broken.	4	4	"
12	N. W.	Cass avenue and High street.....	Broken.	6	10	"
13	S. E.	Cass avenue and Bagg street.....	Broken.	6	10	"
14	N. E.	Park and Bagg streets.....	Broken.	6	24	"
15	S. E.	Park and Columbia streets.....	Broken.	4	4	"
16	N. W.	Third and Abbott streets.....	Leaking	6	24	"



Hydrants drained during the year 1877, with length of drain, kind of drain pipe, depth of sewer, and to where drained.

No.	STREET CORNER.	LOCATION OF HYDRANTS.	LENGTH OF DRAIN.	KIND OF DRAIN PIPE.	DEPTH OF SEWER.	WHERE DRAINED.
1	S. Side.	Wight street at Frost's Wooden Ware Works.....	12	Log...	7	River.
2	"	Wight street at Croul Bros. Tannery.....	105	"	7	"
3	S. E.	Jefferson and Jos Campau avenues.....	50	"	6	Pool.
4	S. W.	Orleans and Congress streets.....	10	"	12	Sewer.
5	"	Orleans and Lafayette streets.....	10	"	10	"
6	N. W.	Orleans and Macomb streets.....	10	"	10	"
7	S. W.	Orleans and Clinton streets.....	10	"	10	"
8	N. W.	Orleans and Mullett streets.....	10	"	10	"
9	S. E.	Orleans and Maple streets.....	20	"	10	"
10	N. W.	Orleans and Sherman streets.....	10	"	10	"
11	"	Orleans and Chestnut streets.....	10	"	10	"
12	"	Orleans and Jay streets.....	10	"	11	"
13	S. W.	Orleans street and Gratiot avenue.....	10	"	11	"
14	N. W.	Orleans and Marion streets.....	10	"	10	"
15	"	Orleans and Bronson streets.....	10	"	10	"
16	S. W.	Orleans and Division streets.....	10	"	10	"
17	N. E.	Riopelle and Maple streets.....	16	"	7	Pool.
18	"	Riopelle and Marion streets.....	20	"	8	Sewer.
19	"	Riopelle and Brewster streets.....	20	"	8	"
20	N. Side	Franklin street between Rivard and Riopelle.....	5	Lead.	6	Pool.
21	N. E.	Russell and Macomb streets.....	10	Log...	7	"
22	S. E.	Russell and Sherman streets.....	12	"	9	Sewer.
23	N. W.	Russell and Clay streets.....	3	Lead.	5	Pool.
24	"	Rivard and Macomb streets.....	10	"	8	Sewer.
25	"	Rivard street and Jefferson avenue.....	6	"	6	Pool.
26	S. E.	Prospect and Columbia streets.....	9	Log...	9	Sewer.
27	S. W.	Prospect and Montcalm streets.....	9	"	10	"
28	N. W.	Prospect and Napoleon streets.....	10	"	10	"
29	"	Prospect and Marion streets.....	9	"	10	"
30	"	Hastings and Columbia streets.....	25	"	6	Pool.
31	"	Hastings and High streets.....	25	"	6	"
32	"	Hastings and Napoleon streets.....	25	"	7	"
33	"	Hastings and Marion streets.....	25	"	8	"
34	"	Hastings and Bronson streets.....	25	"	7½	"
35	"	Hastings and Alfred streets.....	25	"	6½	"
36	"	Hastings and Brewster streets.....	25	"	8½	"
37	"	Hastings and Wilkins streets.....	25	"	8	"
38	"	Antoine street and Jefferson avenue.....	28	"	9	Sewer.
39	"	Antoine and Macomb streets.....	9	"	9	"
40	"	Antoine and Alfred streets.....	10	"	10	"
41	"	Beaubien and Columbia streets.....	25	"	6	Pool.
42	N. E.	Beaubien and High streets.....	16	"	7	Sewer.
43	"	Beaubien and Calloun streets.....	30	"	6½	Pool.
44	"	Beaubien and Grove streets.....	30	"	6	"
45	"	Beaubien and Kentucky streets.....	30	"	6	"
46	N. W.	Beaubien and Brady streets.....	30	"	6	"
47	N. E.	Beaubien and Indiana streets.....	30	"	6	"
48	"	Beaubien and Illinois streets.....	30	"	6	"
49	"	Beaubien and Leland streets.....	30	"	6	"
50	E. Side	Beaubien opposite Alexandrine avenue.....	15	"	14	Sewer.
51	S. W.	Beaubien and Franklin streets.....	60	"	6	"
52	N. E.	Beaubien and Elizabeth streets.....	24	"	6	Pool.
53	S. W.	Beaubien and Fremont streets.....	70	"	6	"
54	N. W.	Brady and John R streets.....	50	"	5	"
55	S. E.	John R and Farnsworth streets.....	30	"	5	"
56	N. E.	Brush and Franklin streets.....	9	"	6	Sewer.
57	N. W.	Brush and Congress streets.....	8	"	7	"
58	"	Brush and High streets.....	6	"	8	"
59	S. W.	Randolph and Fort streets.....	15	"	6	"
60	S. E.	Randolph and Lafayette streets.....	18	Lead.	9	"

No.	STREET CORNER.	LOCATION OF HYDRANTS.	LENGTH OF DRAIN.	KIND OF DRAIN PIPE.	DEPTH OF SEWER.	WHERE DRAINED.
61	S. E.	Randolph and Macomb streets .....	25	Log...	10	Sewer
62	"	Bates street and Jefferson avenue.....	20	"	10	"
63	"	Woodward avenue and Larned street.....	16	"	6	Pool.
64	"	Woodward avenue and Congress street.....	12	"	6	"
65	S. W.	Woodward avenue and Montcalm street.....	20	"	9	Sewer.
66	N. W.	Woodward avenue and Sibley street.....	16	"	7	Pool.
67	"	Woodward avenue and Bagg street.....	18	"	6	"
68	"	Woodward avenue and Peterboro street.....	30	"	7	"
69	"	Woodward avenue and Stimson street.....	30	"	6½	"
70	"	Woodward avenue and Davenport street.....	30	"	6½	"
71	"	Woodward avenue and Parsons street.....	30	"	6	"
72	"	Woodward avenue and Campbell street.....	31	"	7	"
73	"	Woodward and Alexandrine avenues.....	30	"	6	"
74	"	Woodward and Willis avenues.....	30	"	6½	"
75	"	Woodward avenue and Helen street.....	30	"	7	"
76	"	Woodward and Forest avenues.....	30	"	7	"
77	"	Woodward and Hancock avenues.....	10	"	9	Sewer.
78	"	Woodward and Warren avenues.....	10	"	9	"
79	"	Woodward avenue and Frederick street.....	30	"	6	Pool.
80	"	Woodward and Centennial avenues.....	30	"	6	"
81	"	Woodward avenue and Ferry street.....	10	"	8	Sewer.
82	"	Woodward avenue and Holden Road.....	40	"	6	Pool.
83	N. Side	Congress bet. Griswold street and Woodward avenue	15	"	9	Sewer.
84	N. W.	Park street and Adams avenue.....	25	"	6	Pool.
85	S. E.	Park and Elizabeth streets.....	20	"	6½	"
86	"	Park and Montcalm streets.....	16	"	6	"
87	"	Park and Sproat streets.....	25	"	5	Sewer.
88	"	Griswold street and Lafayette avenue.....	12	"	6	Pool.
89	"	Park and Columbia streets.....	30	"	6	"
90	N. E.	Cass and Grand River avenues.....	120	"	7	Sewer.
91	N. W.	Cass avenue and High street.....	6	Lead.	6	"
92	"	Cass avenue and Gilman street.....	18	Log...	9	"
93	S. E.	Cass avenue and Bagg street.....	6	"	10	"
94	E. Side	Cass avenue opposite Pitcher street.....	12	"	10	"
95	"	Cass avenue opposite Brainard street.....	10	"	10	"
96	N. W.	Cass and Warren avenues.....	20	"	14	"
97	S. W.	Second and Lewis streets.....	6	Lead.	6	Pool.
98	S. E.	Second and Jones streets.....	5	Log...	8	Sewer.
99	N. E.	Second and Beech streets.....	27	"	8½	"
100	N. W.	Second and Orchard streets.....	7	"	9	"
101	S. E.	Second and Plum streets.....	27	"	9	"
102	N. E.	Second and Gilman streets.....	22	"	7	Pool.
103	"	Second and High streets.....	24	"	11	Sewer.
104	"	Second and Henry streets.....	26	"	7	Pool.
105	"	Second and Ledyard streets.....	12	"	8	Sewer.
106	N. W.	Grand River avenue and Cherry street.....	30	"	8	"
107	S. E.	Grand River avenue and High street.....	40	"	8	"
108	N. W.	Third and Abbott streets.....	28	"	6	Pool.
109	S. W.	Third and Orchard streets.....	18	"	7	Sewer.
110	"	State street and Park Place.....	28	"	7	Pool.
111	E. Side.	Sixth street bet. Abbott and Porter streets.....	30	"	6	"
112	N. E.	Trumbull avenue and Abbott street.....	35	"	6	"
113	S. W.	Michigan avenue and Thirteenth-and-a-half street.....	50	"	5	"
114	N. W.	Fort and Fifteenth streets.....	35	"	6	"
115	S. E.	Fort and Rivard streets.....	20	"	8	Sewer.
116	N. W.	Walnut and Twelfth streets.....	24	"	7	Pool.
117	S. E.	Grand River and Myrtle avenues.....	30	"	6	"
118	N. E.	Eighteenth street and Myrtle avenue.....	25	"	6	"
119	"	Eighteenth street and Canfield avenue.....	16	"	6	"
120	N. W.	Maybury and Myrtle avenues.....	16	"	6	"
121	N. E.	Trumbull avenue and Fort street.....	25	"	6	"

## RECAPITULATION.

Water Extension and Repairs During the Year Ending  
January 31, 1878.

Iron hydrants placed in new locations.....	61	
Wooden box hydrants in new locations.....	9	
Total new locations.....	—	70
Iron hydrants used to replace broken ones.....	16	
Wooden box hydrants replaced by iron hydrants.....	27	
Total number of iron hydrants used.....	—	113
Iron hydrants repaired and replaced.....	22	
Wooden box hydrants repaired and replaced.....	12	
Total number repaired.....	—	34
Hydrants drained during the year.....		121
Hydrants abandoned and removed.....		14
Reservoirs constructed during the year.....		3
Reservoirs repaired during the year.....		29
Reservoirs abandoned during the year.....		2
Iron covers placed on reservoirs.....		22
Number of stop valves used during the year.....		32
Whole number of hydrants per last report.....	606	
Abandoned during the year.....	14—	592
Added during the year.....		70
Whole number now in use.....		662
Number of reservoirs per last report.....	171	
Abandoned during the year.....	2—	169
Added during the year.....		3
Total now in use.....		172

All of which is respectfully submitted.

M. H. GASCOIGNE,  
*Superintendent of Water Supply.*

## REPORT OF EXPERTS.

DETROIT, February, 28, 1878.

*To the Honorable Board of Fire Commissioners:*

GENTLEMEN—We have compared the vouchers of the Detroit Fire Commissioners with the books of the Secretary, and find them to agree. We also find the vouchers are all certified to as correct by the proper officer of the department. The total footing of the vouchers, amounting to the sum of \$114,656.28, is correct.

This examination covers the fiscal year of 1877.

D. R. PEIRCE,  
GEORGE DUNLAP.

## APPENDIX.

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### FIRE COMMISSIONERS.

BENJAMIN VERNOR.	LUCRETIOUS H. COBB.
JEROME CROUL.	PETER HENKEL.
PRESIDENT, . . . .	BENJAMIN VERNOR.
VICE PRESIDENT, . . .	L. H. COBB.
SECRETARY, . . . .	FREDERICK H. SEYMOUR.

### COMMITTEES.

<i>Finance</i> —CROUL, HENKEL.	<i>Water</i> —HENKEL, CROUL.
<i>Supplies</i> —HENKEL, VERNOR.	<i>Apparatus</i> —CROUL, COBB.
<i>Men</i> —VERNOR, COBB.	<i>Buildings</i> —COBB, VERNOR.
<i>Horses</i> —COBB, HENKEL,	<i>Telegraph</i> —VERNOR, CROUL.

### OFFICERS.

JAMES BATTLE, *Chief Engineer.*  
 JAMES R. ELLIOTT, *Assistant Chief Engineer.*  
 MARK H. GASCOIGNE, *District Engineer and Superintendent of Telegraph.*  
 WM. BRODIE, M. D., *Department Surgeon.*

**"LAFAYETTE" STEAM FIRE ENGINE COMPANY NO. 1.**  
**Location corner Wayne and Larned Streets.**

First Class *Self-Propelling* Amoskeag Engine. Went into service January 12, 1874. Two steam cylinders 7½ inches in diameter, 8 inches stroke; two double acting piston pumps, 4½ inches in diameter, 8 inches stroke, with self-propelling attachment. Capacity, 600 gallons of water per minute.

NAME.	A ge	Bad ge	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
William Wagner.....	43	2	Engineer.....	Stationary...	Engineer.....	156 Twelfth st.....	Jan. 1, 1874
Martin Bleser.....	39	3	Fireman.....	Stationary...	Engineer.....	117 Macomb st.....	Sep. 16, 1876
Silas W. Bloom.....	32	4	Assist. Fireman.	Stationary...	Engineer.....	20 Jones st.....	Nov. 27, 1875
Clinton Pasco.....	27	5	Pipeman .....	Stationary...	Bottler.....	88 Larned st., w.....	July 2, 1871
Peter Arthur.....	30	6	Steersman.....	Stationary ..	Blacksmith.....	5th and Congress st.	Mar. 15, 1872
James W. Mathewson.....	28	7	Hose Cart Driver	Stationary...	Tanner.....	18 Crawford st.....	Apr. 1, 1875
Frederick Unger.....	26	8	Pipeman.....	Transient....	Cigar Maker.....	390 Fort st., e.....	Aug. 1, 1876
William Burns.....	24	9	Pipeman.....	Transient....	Porter .....	13½ Middle st.....	Oct. 1, 1876
Charles Higgins.....	40	10	Watchman.....	Stationary ...	Brewer.....	201 National ave....	Feb. 1, 1876

**"NEPTUNE" STEAM FIRE ENGINE COMPANY NO. 2.**  
**Location corner St. Antoine and Larned Streets.**

First Class Amoskeag Engine. Went into service January 7, 1861. Two steam cylinders 8 inches diameter and 12 inches stroke. Two double acting piston pumps  $4\frac{1}{4}$  inches diameter and 12 inches stroke. Capacity, 600 gallons per minute.

NAME.	Age	Rank	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
James C. Broderick.....	34	20	Foreman.....	Transient....	Boot maker.....	65 Porter st.....	July 12, 1867
Wm. L. Henry.....	27	21	Engineer.....	Stationary....	Engineer.....	187 Larned st, e....	Mar. 28, 1872
Wm. H. Harris .....	26	22	Assist. Foreman...	Stationary....	Stone cutter.....	111 Macomb st.....	Apr. 1, 1874
Eugene P. Smith.....	34	23	Fireman .....	Stationary....	Engineer.....	299 Larned st, e....	Nov. 4, 1873
Whitney B. Beattie.....	33	24	Engine Driver.....	Stationary....	Driver .....	70 Larned st, e....	Oct. 1, 1868
George C. Luce.....	29	25	Hose Cart Driver.	Stationary....	Driver .....	202 Congress st, e....	Aug. 1, 1876
Howard S. Conklin.....	25	26	Pipeman .....	Transient....	Baker .....	708 Twelfth st.....	Sept. 12, 1877
Gustave P. Schulchard.....	25	27	Pipeman .....	Transient....	Carpenter.....	243 Riopelle st.....	Oct. 10, 1877
Alex. Gray.....	25	28	Pipeman .....	Transient....	Plasterer.....	111 Macomb st.....	Dec. 13, 1876
Alex. Graham.....	55	29	Watchman .....	Stationary....	Sailor.....	238 Croghan st.....	Sep. 21, 1875

**"PHOENIX" STEAM FIRE ENGINE COMPANY NO. 3.**  
**Location on Clifford Street near Woodward Avenue.**

First Class Amoskeag Engine. Went into service July 24, 1861. Two steam cylinders 8 inches diameter and 12 inches stroke.  
 Two double acting piston pumps 4½ inches diameter and 12 inches stroke. Capacity, 600 gallons of water per minute.

NAME.	Age	Age	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Charles McMichael.....	36	30	Foreman.....	Transient...	Carpenter .....	42 Jones st.....	Nov. 1, 1868
John Laing.....	44	31	Engineer.....	Stationary...	Machinist .....	236 Fourth st.....	June 1, 1870
David A. McCormick.....	28	32	Asst. Foreman....	Stationary...	Pattern Maker.....	78 Lewis st.....	Jan. 1, 1873
John McKernan.....	38	33	Fireman.....	Stationary...	Fireman .....	40 Orchard st.....	Apr. 1, 1867
W. McCumber.....	33	34	Engine Driver....	Stationary...	Driver.....	Perkin's Hotel.....	July 1, 1871
John Scott.....	39	35	Hose Cart Driver	Stationary...	Driver.....	39 Church st.....	Oct. 4, 1860
Wm. Sexton.....	29	36	Pipeman.....	Transient...	Finisher.....	67 Cross st.....	Feb. 1, 1873
Patrick W. Keating.....	23	37	Pipeman .....	Transient...	Machinist.....	215 First st.....	Dec. 7, 1876
George D. Engle.....	29	38	Pipeman.....	Transient...	Carpenter.....	104 Washington ave.	Dec. 7, 1876
Truman Phelps.....	57	39	Watchman .....	Stationary...	Driver.....	25 Barclay Place....	June 6, 1873

**"K. C. BARKER" STEAM FIRE ENGINE COMPANY, NO. 4.**

Location on Eighteenth near Howard Street.

Second Class Amoskeag Engine. Went into service May 22, 1876. Two steam cylinders 7½ inches in diameter and 8 inches stroke. Two double acting piston pumps 4 inches diameter and 8 inches stroke. Capacity, 500 gallons of water per minute.

NAME.	Age	Rank	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Theodore Dingel.....	28	40	Foreman .....	Transient...	Painter.....	98 Twentieth st.....	Aug. 10, 1875
Galen L. Tucker.....	42	41	Engineer.....	Stationary ..	Engineer.....	51 Eighteenth st.....	Sept. 1, 1869
Alexander Lefevre.....	36	42	Asst. Foreman....	Stationary...	Cooper.....	193 Nineteenth st...	Apr. 1, 1868
William Krug.....	29	43	Fireman.....	Stationary...	Engineer.....	134 Eighteenth st...	Nov. 4, 1873
Frederick H. Johnson.....	32	44	Engine Driver....	Stationary...	Driver.....	136 Eighteenth st...	Dec. 1, 1872
Henry A. Sheldon .....	32	45	Hose Cart Driver.	Stationary...	Driver.....	264 Eighteenth st...	June 1, 1874
Cornelius Creedon.....	24	46	Pipeman.....	Transient...	Engineer.....	112 Eighteenth st...	Mar. 2, 1877
Wm. L. Chapman .....	29	47	Pipeman .....	Transient...	Engineer.....	236 Nineteenth st...	Sept. 20, 1869
Jonathan Dally.....	30	48	Pipeman .....	Transient...	Boiler maker.....	213 Nineteenth st...	Mar. 24, 1877
John Adamecke.....	34	49	Watchman.....	Stationary...	Watchman.....	75 Eighteenth st....	Apr. 22, 1874



# "JAMES A. VAN DYKE" STEAM FIRE ENGINE COMPANY NO. 5.

Location corner Larned and Riopelle Streets.

Second Class Amoskeag Engine. Went into service September 20, 1872. Two steam cylinders 7½ inches in diameter and 8 inches stroke. Two double acting piston pumps 4 inches in diameter and 8 inches stroke. Capacity, 500 gallons of water per minute.

NAME.	Age	Bad leg	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Morris F. Cousino.....	28	50	Fireman.....	Transient...	Clerk.....	335 Franklin st.....	June 20, 1871
Francis Beaufait.....	40	51	Engineer.....	Stationary...	Engineer.....	354 Congress st., e..	June 27, 1865
Wm. H. Witherspoon.....	29	52	Asst. Engineer.....	Stationary...	Mason.....	187 Congress st., e..	Oct. 1, 1876
Michael Stapleton.....	23	53	Act'g Fireman.....	Stationary...	Engineer.....	295 Congress st., e..	Apr. 1, 1877
Edward W. Connolly.....	35	54	Engine Driver.....	Stationary...	Confectioner.....	295 Congress st., e..	June 7, 1873
Duffy Cousino.....	24	55	Hose Cart Driver	Stationary...	Carpenter.....	295 Congress st., e..	Jan. 1, 1874
Charles B. Dimler.....	24	56	Pipeman.....	Transient...	Tinsmith.....	329 Croghan st., e..	Nov. 1, 1875
Phillip A. Weber.....	38	57	Pipeman.....	Transient...	Trunk Maker.....	388 Lafayette st., e..	May 15, 1877
Joseph Nebel, Jr.....	27	58	Pipeman.....	Transient...	Tanner.....	305 Lafayette st., e..	Nov. 1, 1876
Wm. W. Willis.....	40	59	Watchman.....	Stationary...	Sailor.....	530 Mullett st.....	June 7, 1875

# “DETROIT” STEAM FIRE ENGINE COMPANY NO. 6.

## Location corner Russell and High Streets.

Second Class Amoskeag Engine. Went into service April 1, 1868. Rebuilt in 1877. Two steam cylinders  $7\frac{1}{2}$  inches diameter and 8 inches stroke. Two double acting piston pumps 4 inches in diameter and 8 inches stroke. Capacity, 500 gallons of water per minute.

NAME.	Age	Ba ge	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Fred. W. Smith .....	25	60	Foreman.....	Transient....	Carpenter.....	353 High st. east....	May 16, 1869
Peter Smith.....	38	61	Engineer.....	Stationary....	Engineer.....	137 Montcalm st....	Apr. 1, 1867
Wm. A. Snyder.....	26	62	Assist. Foreman...	Stationary....	Carpenter .....	349 Montcalm st....	Aug. 5, 1874
David Boyd.....	37	63	Fireman .....	Stationary....	Engineer.....	334 High st. east....	Apr. 1, 1873
Chas. H. Little.....	48	64	Engine Driver....	Stationary....	Driver.....	201 Brewster st.....	Apr. 6, 1871
Benjamin W. Avery.....	27	65	Hose Cart Driver.	Stationary....	Finisher .....	299 Marion st.....	Oct. 13, 1877
Wm. P. Wenner.....	25	66	Pipeman .....	Transient....	Machinist.....	256 High st east....	June 24, 1873
Joseph Gabler.....	25	67	Pipeman .....	Transient....	Harness maker.....	482 Gratiot ave.....	June 13, 1877
Wm. Hirschback.....	30	68	Pipeman .....	Transient....	Wood turner.....	227 Marion st.....	Aug. 4, 1877
Henry Moiles.....	21	69	Watchman .....	Stationary....	Farmer.....	249 Montcalm st....	Dec., - 1877

# "UNION" STEAM FIRE ENGINE COMPANY NO. 7.

## Location corner Elmwood Avenue and Fort Streets.

Second Class Amoskeag Engine. Went into service Sept. 1st, 1877. Two steam cylinder 7½ inches in diameter and 8 inches stroke. Two double acting piston pump. 4 inches in diameter and 8 inches stroke. Capacity, 500 gallons of water per minute.

NAME.	Age	Badges	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Peter Ortwine.....	33	70	Foreman.....	Transient....	Tanner.....	575 Fort street, e....	May 16, 1869
Michael Stadler.....	31	71	Engineer.....	Stationary....	Engineer.....	695 Lafayette st., e..	May 3, 1871
Geo. W. Oakley.....	30	72	Assist. Foreman..	Stationary....	Engineer.....	237 McDougal ave..	June 1, 1874
Werner Kohnan.....	33	73	Fireman.....	Stationary....	Engineer.....	149 Elmwood ave....	May 9, 1874
Daniel McClellan.....	33	74	Engine driver.....	Stationary....	Driver.....	648 Fort street, e....	Apr. 17, 1868
D. Edward Denyer.....	27	75	Hose Cart Driver	Stationary ...	Driver.....	722 Fort street, e...	Feb. 18, 1873
Hermann Gehrkenh.....	26	76	Pipeman .....	Transient....	Stove mounter.....	720 Fort street, e....	Nov. 1, 1877
John Black, Jr.....	23	77	Pipeman.....	Transient....	Plumber.....	715 Fort street, e....	Feb. 1, 1874
Alex Dewey.....	36	78	Pipeman.....	Transient....	Carpenter.....	706 Maccomb st.....	June 13, 1875
John Black, Sr.....	55	79	Watchman.....	Stationary ...	Laborter.....	715 Fort street, e....	Aug. 4, 1874

# “CONTINENTAL” STEAM FIRE ENGINE COMPANY NO. 8.

Location corner Sixth and Baker Street.

Second Class Amoskeag Engine. Went into service November 8, 1873. Two steam cylinders 7½ inches in diameter and 8 inch stroke. Two double acting piston pumps 4 inches diameter and 8 inches stroke. Capacity, 500 gallons of water per minute.

NAME.	A g s	B s g	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Dennis Dullea.....	39	80	Foreman.....	Stationary...	Brewer.....	264 Howard st.....	Apr. 1, 1867
Cornelius Bresnahan.....	29	81	Engineer.....	Stationary...	Engineer.....	249 Sixth st.....	Mar. 16, 1874
Wm. H. Mitchell.....	26	82	Asst. Foreman....	Stationary...	Cigar Maker.....	Eisenlord Hotel.....	Mar. 1, 1873
John H. Hill.....	41	83	Fireman.....	Stationary...	Engineer.....	42 Butternut st.....	May 1, 1874
James Stackpole.....	50	84	Engine Driver....	Stationary...	Driver.....	248 Fifth st. ....	Feb. 11, 1865
Martin Dunn.....	30	85	Hose Cart Driver	Stationary...	Driver.....	241 Fifth st. ....	Apr. 1, 1868
Michael McQueen.....	38	86	Pipeman.....	Transient...	Driver.....	225 Fifth st.....	Nov. 15, 1869
Timothy Creedon.....	28	87	Pipeman .....	Transient...	Frame maker.....	247 Sixth st.....	Jan. 18, 1876
Martin Caplis.....	36	88	Pipeman.....	Transient...	Driver.....	51 Sixteenth st.....	Apr. 1, 1867
Sampson Johnson.....	30	89	Watchman .....	Stationary..	Cooper.....	80½ Labrosse st....	Apr. 1, 1863

# "RESCUE" HOOK AND LADDER COMPANY NO. 1.

Location corner Wayne and Larned Streets.

Truck went into service November 17, 1870. Built by C. E. Hartshorn, in New York. Carries one extension ladder, 65 feet, one ladder 35 feet, two ladders 30 feet, one 25 feet, one 20 feet, one 12 feet, and one 10 feet; two Babcock hand fire extinguishers one chain hook and pole, 5 ladder forks, 4 hooks with poles, 130 feet guy ropes, 300 feet for fire lines, 4 rubber buckets, 4 hook axes, 2 wall picks, 3 hay forks, shovels, crowbars, and lanterns.

NAME.	Age	Bad ge	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
William Cooper.....	51	100	Foreman.....	Stationary...	Boiler maker.....	119 Abbott st.....	May 1, 1861
Thomas Ramsey.....	28	101	Asst. Foreman....	Stationary...	Boiler maker.....	273 Third st.....	Nov. 1, 1869
John O'Neil.....	24	102	P't. Ladderman...	Stationary...	Steam fitter.....	42 Beach st.....	May 24, 1869
John Lapine.....	35	103	Driver.....	Stationary...	Driver.....	85 Catherine st.....	Oct. 12, 1872
James E. Henry.....	33	104	Ladderman.....	Transient...	Bill poster.....	13 Spencer st.....	Nov. 4, 1873
Thos. Naylor.....	25	105	Ladderman.....	Transient...	Blacksmith.....	255 Fourth st.....	Apr. 1, 1874
James Shea.....	27	106	Ladderman.....	Transient...	Laborer.....	115 Plumb st.....	Sep. 23, 1874
Michael Moriarty.....	26	107	Ladderman.....	Transient...	Plasterer.....	26 Miller st.....	Jan. 1, 1874
Richard Filban.....	24	108	Ladderman.....	Transient...	Boiler maker.....	247 Sixth st.....	Sep. 23, 1874
William Danaher.....	24	109	Ladderman.....	Transient...	Blacksmith.....	51 South st.....	Oct. 1, 1876

**"EAGLE" HOOK AND LADDER COMPANY, NO. 2.**  
**Location on Larned Street between Antoine and Hastings Street.**

Truck went into service August 12, 1871. Carries the following apparatus, viz: One 65 foot extension ladder, one 30 foot, one 25 foot, one 20 foot, one 14 foot, one 9 foot, 5 hooks, 2 forks, 5 lanterns, 2 crowbars, 2 wrenches, 2 hook axes, 2 head axes, 4 buckets, 3 forks, jackscrew, guy rope, hook pole, chain, two hand fire extinguishers.

NAME.	Age	Position.	Service.	Occupation.	Residence.	Joined.
John Kendall.....	39	Foreman .....	Stationary ..	Carpenter .....	384 Larned st.....	June 27, 1865
Wm. J. Gowan.....	29	Ast. Foreman....	Stationary...	Tinsmith.....	312 Lafayette st....	May 9, 1868
Geo. J. Kelley.....	24	P't Ladderman....	Stationary...	Iron worker.....	246 Fort st. e.....	May 1, 1875
Joseph B. Henrion.....	33	Driver.....	Stationary...	Driver.....	353 High st. east...	Mar. 6, 1871
Stephen Dubois.....	27	Ladderman.....	Transient...	Slater .....	233 Croghan st.....	Feb. 19, 1874
Charles Lanthier.....	27	Ladderman.....	Transient...	Cigar maker.....	99 Croghan st.....	Sept. 25, 1874
Christ Ludwig.....	27	Ladderman.....	Transient...	Cigar maker.....	236 Croghan st.....	Feb. 19, 1874
James H. O'Grady*.....	24	Ladderman.....	Transient....	Cigar maker.....	310 Lafayette st....	June 13, 1875
William N. A. Kessler.....	22	Ladderman.....	Transient....	Cigar maker.....	308 Croghan st.....	Apr. 1, 1874
Samuel J. Hewson.....	22	Ladderman.....	Transient....	Iron worker.....	140 Croghan st.....	Oct. 1, 1875

\* Since died.

# **CHEMICAL ENGINE COMPANY NO. 1.**

## **Location Engine House No. 1, Wayne Street.**

Double tank, 160 gallon, four-wheel Babcock Chemical Fire Extinguisher Engine. Equipment of 200 feet rubber hose and suction. Went into service October 1, 1876.

NAME.	A No.	B No.	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Max Wirth.....	25	11	Foreman.....	Stationary...	Blacksmith.....	376 Riopelle street..	May 16, 1869
James Wakeley.....	26	12	Pipeman.....	Stationary...	Tinsmith.....	11 Center street.....	July 1, 1875
Daniel W. Carroll.....	25	13	Pipeman.....	Stationary...	Plasterer.....	157 Columbia street	April 15, 1874
Godfrey Hillmer.....	28	14	Driver.....	Stationary...	Driver.....	Wayne and Larned..	Sept. 6, 1877

## CHEMICAL ENGINE COMPANY NO. 2.

Location on Alexandrine Avenue, between Cass Avenue and Second Street.

Double tank, 160 gallon, four-wheel Babcock Chemical Fire Extinguisher Engine. Equipment: 200 feet rubber hose and suction, one 36 foot extension ladder, and one 15 foot roof ladder. Went into service December 7, 1876.

NAME.	Age	Age	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Dennis Broderick.....	27	90	Foreman .....	Stationary...	Pressman.....	8 Cutler street.....	Sept. 1, 1871
Henry T. Willets.....	44	91	Pipeman.....	Stationary...	Pattern maker.....	8 McLean street....	Sept. 9, 1873
Edward Dardis.....	27	92	Pipeman.....	Stationary...	Painter.....	64 Noble street....	June 10, 1871
Francis Weitzel.....	28	93	Driver.....	Stationary...	Driver.....	40 Willis avenue....	Jan'y 11, 1876.
Michael Devaney.....	46	94	Watchman.....	Stationary...	Laborer.....	84 Adams avenue...	Dec. 17, 1876



**EXTRA.**

**RESERVE ENGINE A.**—First Class Amoskeag. Went into service October 1, 1860; rebuilt in 1875. Two cylinders 8 inches diameter, 12 inch stroke. Two double pumps  $4\frac{1}{2}$  inches diameter, 12 inch stroke. Capacity 600 gallons per minute. Location, Extra Engine House A.

**RESERVE ENGINE B.**—Second Class Amoskeag. Went into service June 27, 1865; retired as extra engine, 1876. One steam cylinder 8 inches diameter, 12 inches stroke. One pump  $4\frac{1}{2}$  inches in diameter, 12 inches stroke. Rebuilt in 1873.

**SUPPLY WAGON NO. 1.**—Located at Extra Engine House A.

**SUPPLY WAGON NO. 2.**—Located at corner Wayne and Larned streets.

**EXTRA HOSE CART.**—Located at Extra Engine House A. Equipment 1,000 feet leather hose.

NAME.	Age	Badge	POSITION.	SERVICE.	OCCUPATION.	RESIDENCE.	JOINED.
Howard S. Conklin.....	25	A	{ Supply Wagon } Driver No. 2. }	Stationary...	Driver.....	384 Congress street	Oct. 1, 1873
Duncan McKay.....	25	B	{ Supply Wagon } Driver No. 1. }	Stationary...	Driver.....	708 Twelfth street...	Sept. 12, 1877
Joseph Bresnahan.....		21	Telegraph Assistant...	Stationary...	Telegraph ass't...	242 Abbott st.....	April 17, 1873
Thomas Slack.....		28	Hydrant man.....	Stationary...	Hydrant man....	105 Cherry st.....	Nov. 1st, 1872

**LOCATION OF EXTRA HOUSES.**

**EXTRA ENGINE HOUSE "A".**—On Hastings between Congress and Larned streets.

**STORE HOUSE "A".**—On Larned between Antoine and Hastings streets.

**STORE HOUSE "B".**—On Orchard street near Fifth.

**THIRTEENTH ANNUAL REPORT**

**OF THE**

**BOARD OF COMMISSIONERS**

**OF THE**

**Metropolitan Police**

**TO THE**

**COMMON COUNCIL OF THE CITY OF DETROIT.**

**FEBRUARY 1, 1878.**

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**WM. A. SCRIPPS, Printer,  
Arcade Building, 46 Larned St. West,  
Detroit, Mich.**

## Board of Commissioners.

---

SIDNEY D. MILLER.  
M. S. SMITH.

JAMES E. PITTMAN.  
H. M. DEAN.

### OFFICERS.

SIDNEY D. MILLER, PRESIDENT.  
LINCOLN R. MESERVE, SECRETARY.  
J. LOGAN CHIPMAN, ATTORNEY.  
DR. D. O. FARRAND, SURGEON.  
A. J. ROGERS, SUPERINTENDENT.

### CAPTAINS:

WM. H. MYLER:

P. N. GIRARDIN,  
C. C. STARKWEATHER.

# THIRTEENTH ANNUAL REPORT OF THE METROPOLITAN POLICE COMMISSIONERS.

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OFFICE OF THE BOARD OF  
METROPOLITAN POLICE COMMISSIONERS, }  
DETROIT, February 18, 1878.

*To the Honorable the Common Council of the City of Detroit:*

GENTLEMEN—The Thirteenth annual report of the Commission is herewith respectfully submitted.

The condition of the Department, in respect to property, finances and work, is best laid before your honorable body through the reports to the Board, of the Secretary and Property Clerk, and the Superintendent, which are herewith submitted, and to which you are referred.

It is due to the Secretary and Property Clerk, to refer your honorable body to the recent report of the City Accountant, containing his unqualified endorsement and approval of the state and method of accounts under the charge of this important agent of the Board.

In respect to discipline, demeanor and general efficiency, it is the duty as well as the pleasure of the Board to commend the force, officers and men to your attention as bearing favorable comparison with similar organizations.

As it devolves upon the Board to hear and determine matters of complaint from citizens as well as officers, against all members of the force, touching their official character and conduct, the fact that only three instances of alleged misdemeanors within the past year have been brought forward by citizens for investigation, would seem to indicate that serious offenses seldom occur, and that the officers themselves are not remiss in calling attention to delinquencies and departure from due discipline.

From the moneys placed in the hands of the Board during the past year, they have been enabled to complete, equip, and occupy two sub-stations—one on Elmwood avenue, and the other on Twentieth street, near Michigan avenue.

It is believed they will prove of important service to the public in localities demanding attention.

To avoid the necessity for any increase in the estimates of the department over the amount granted last year, and at the same time to endeavor to provide some required means of additional protection in districts comparatively destitute, the Board have thought it expedient to project two additional sub-stations (similar to those on Elmwood avenue and Twentieth street) to be located, one near Woodward avenue in the vicinity of Harper's Hospital, and the other near Grand River avenue and Twelfth street.

These sub-stations answer as fixed points where police services can always be obtained. They will constitute an economical, although only partial and temporary substitute for an increase in the patrolling force. If the estimates as already submitted are allowed, these sub-stations will be established without delay. While fully approving and appreciating the propriety of the recommendation of the Superintendent to the Board for an increase of ten men for patrol duty, the Board defer urging until another year the imperative demand for this additional appropriation.

Respectfully submitted,

SIDNEY D. MILLER,  
M. S. SMITH,  
JAMES E. PITTMAN,  
HORACE M. DEAN,  
*Commissioners.*

## Secretary's Report.

OFFICE OF THE "METROPOLITAN POLICE COMMISSION," }  
DETROIT, February 5, 1878.

*To the Honorable, the Board of Metropolitan Police Commissioners :*

GENTLEMEN—I respectfully submit herewith the Thirteenth Annual Statement of the condition of the different funds, and accounts, under my charge at this office, for the year ending February 5, 1878.

While calling your attention to the fact, that the financial year of this Department extends to July 1, 1878, I believe that the amount now in the hands of the Treasurer, and the prospective collections of the police tax, will be sufficient to meet the necessary expenditures in the meantime.

### THE BOARD OF METROPOLITAN POLICE COMMISSIONERS

*In account with*

THE METROPOLITAN POLICE FUND.	Dr.
To balance of this fund February 1, 1877.....	\$137,297 14
To estimates from July 1, 1877 to July 1, 1878.....	135,000 00
To interest allowed by the Treasurer on deposits.....	1,570 93
To amount obtained for the services of an extra patrol- man from the city banks.....	700 00
To amount received from private parties for extra ser- vices rendered by officers.....	416 10
To amount obtained for keeping stray horses at the police barn.....	15 25
To amount received from sheriff of Chippewa county for meals furnished a prisoner.....	14 70
To amount received for old iron sold.....	13 32
	<hr/>
	\$275,027 44

## CONTRA.

CR.

By paid salaries, viz.:

February, 1877.....	\$ 9,904 91
March, " .....	9,709 81
April, " .....	9,625 66
May, " .....	9,480 89
June, " .....	9,319 21
July, " .....	10,068 92
August, " .....	10,157 80
September, " .....	9,954 78
October, " .....	9,852 37
November, " .....	9,955 21
December, " .....	9,882 09
January, 1878.....	9,641 99
	<hr/> \$117,553 64

By worthless taxes of 1873 and 1874, charged back to this Department by the City Controller, by order of the Common Council Nov. 28, 1876, and consequently credited to the City on three books in March, 1877.....

\$6,467 18

## EXPENSE ACCOUNT.

By paid as follows :

For general minor repairs and supplies to the stations.....	\$ 998 10
For painting and kalsomining same.....	437 81
For new roof, gutters and chimney at the Central Station	160 66
For new floor at the barn .....	51 47
For new carpet in general office.....	39 00
For care of telegraph line from January 1, 1876 to January 1, 1877.....	1,200 00
For extension of telegraph line to Elmwood Avenue Station.....	78 69
For rent of telephone boxes from November 1, 1877, to November 1, 1878 .....	100 00
For closet for telephone boxes at City Hall.....	31 00
For standard scale and rod.....	35 00
For new stone walk at the Trumbull Avenue Station.....	105 15
For new furnace and two stoves.....	329 40
For new harnesses.....	73 75
For coal (including part of 1876 bill).....	688 06
For gas and kerosene oil.....	529 01

# THE POLICE COMMISSIONERS.

7

For water.....	\$ 121 00
For ice.....	40 00
For scavenger's services.....	390 00
For new belts, buttons, badges and other equipments.....	360 55
For new brands for city sealer.....	7 75
For insurance.....	99 00
For newspapers.....	108 65
For photographs of prisoners.....	64 75
For books, stationery and printing.....	393 86
For business telegrams.....	59 21
For washing bedding at stations.....	181 33
For medical attendance on prisoners.....	116 60
For postage.....	31 00
For meals for prisoners at stations.....	837 11
For hay and grain for horses.....	428 86
For horse-shoeing.....	110 89
For repairs to wagons and harnesses.....	130 11
For carting injured and drunken persons.....	32 30
For sundry small items.....	82 81
	<hr/>
	\$8,452 28

## CONTRA.

Less amount refunded by Michigan Stove Co. for stove pipe returned.....	1 33
	<hr/>
	\$8,450 95

## PROPERTY ACCOUNT.

By balance of this account February 1, 1877.....	\$ 6,100 71
By new wagon for City Sealer.....	185 00
By new prison wagon.....	454 00
	<hr/>
	\$6,739 71

## CONTRA.

To amount received for one old wagon sold.....	\$ 25 00
To amount received for two horses sold.....	152 58
To amount received for one pair old runners sold.....	8 00
Balance, being the estimated value of the miscellaneous property, at this date.....	6,554 13
	<hr/>
	\$6,554 13
	<hr/>
	\$6,739 71



## UNIFORM ACCOUNT.

By police cloth on hand and amount due from members of the force for cloth.....	\$ 576 85
--	-----------

## WAYNE COUNTY.

By amount advanced the County for the transportation and pursuit of criminals in January, 1878, and due at this date.....	\$58 15
--	---------

## TELEGRAPH ACCOUNT.

By amount originally paid for the Telegraph line and instruments....	\$,450 00
--	-----------

## CITY OF DETROIT.

By amount of uncollected police tax due from the city.....	\$43,325 63
--	-------------

## A. H. DEY, TREASURER.

By amount in his hands, belonging to this fund.....	\$33,367 84
---	-------------

## REAL ESTATE.

Woodbridge street station.....	\$17,411 46
Gratiot avenue station.....	16,170 54
Trumbull avenue station.....	11,924 15
Elmwood avenue station.....	5,617 61
Twentieth street station.....	3,099 31
	<hr/>
	\$54,223 07
	<hr/>
	\$275,027 44
	<hr/> <hr/>

The assets of the department, and, constituting the credit balance of the Metropolitan Police Fund on the ledger, are as follows, viz.:

Real estate.....	\$54,223 07
Telegraph line.....	4,450 00
Miscellaneous property.....	6,554 13
Uniform cloth.....	576 85
Police tax due from the city.....	43,325 63
Cash in hands of the Treasurer.....	33,367 84
Due from Wayne county.....	58 15
	<hr/>
	\$142,555 67
	<hr/> <hr/>

The liabilities consist of bills audited January 31, 1878, and unpaid at this date.....	\$1,870 40
--	------------

## REWARD FUND.

	DR.	
To Balance of the fund February 1, 1877.....	\$ 665 23	
To rewards obtained by members of the force.....	669 97	
	<hr/>	\$1,335 20
		<hr/>

	CR.	
By amount allowed to be retained by officers, who obtained the rewards.....		\$566 87
By cash in hands of A. H. Dey, Esq.....	\$ 449 38	
By cash in hands of L. R. Meserve, Secretary.....	318 95	
	<hr/>	
Balance at this date.....		\$768 33
		<hr/>
		\$1,335 20
		<hr/>

## LIFE AND HEALTH FUND.

	DR.	
To balance of the Fund February 1, 1877 .....	\$3,393 03	
To fines imposed on members of the force.....	67 31	
To fees for the appointment of special policemen.....	75 00	
To proceeds of unclaimed property sold.....	66 80	
To interest on bonds.....	87 50	
To donation from Hon. John Owen.....	50 00	
	<hr/>	
		\$3,739 64
		<hr/>

	CR.	
By rent of box in Wayne County Savings Bank.....	10 00	
By amount paid sundry members of the force while disabled from duty.....	380 56	
By Wayne County Bonds.....	\$ 2,000 00	
By Street Paving Bonds.....	1,024 06	
By cash in hands of the City Treasurer.....	325 02	
	<hr/>	
Balance of account to date.....		\$3,349 08
		<hr/>
		\$3,739 64
		<hr/>

Respectfully submitted,

L. R. MESERVE, *Secretary.*

STATEMENT OF LICENSE COLLECTIONS FOR THE YEAR ENDING  
JANUARY 31, 1878.

Meat shops.....	\$1,073 97
Meat peddlers.....	627 10
Auctioneers.....	153 17
Pawn brokers.....	1,239 97
Peddlers.....	1,876 72
Drays.....	922 22
Hacks and express wagons.....	524 07
Hack drivers.....	44 00
Porters and runners.....	43 00
Theatres.....	500 00
Circuses.....	250 00
Shows.....	19 50
Billiards.....	362 75
Street railroads cars.....	1,112 50
Ferries.....	843 31
Ball alleys.....	10 83
Scavengers.....	1 00
Platform scales.....	50 00
Newsboys.....	74 50
	<hr/>
	\$9,728 61

An increase of \$773.08 over last year.

Respectfully submitted,

L. R. MESERVE,

*License Collector.*

## Property Clerk's Statement.

On hand February 1, 1877, 110 lots ; estimated value.....	\$ 548 56
Received during the year, 238 lots ; estimated value.....	8,082 57
<hr/>	
348 lots : estimated value.....	\$8,631 16
<hr/>	
Delivered to owners and sold as unclaimed, 289 lots ; estim. value..	\$8,434 52
On hand at this date, - - - - 59 lots ; estim. value..	196 64
<hr/>	
348 lots ; estim. value..	\$8,631 16
<hr/>	

Respectfully submitted,

L. R. MESERVE,  
*Property Clerk.*

## Superintendent's Report.

METROPOLITAN POLICE DEPARTMENT, }  
 SUPERINTENDENT'S OFFICE, }  
 DETROIT, January 31, 1878.

*To the Honorable Board of Police Commissioners :*

GENTLEMEN—I have the honor to submit my report for the year ending January 31, 1878.

The total strength of the Police Department is 158, as follows : One superintendent, one clerk, (a patrolman,) three regular and two special detectives, stationed at the police headquarters, at the City Hall ; one sergeant, one roundsman, and twenty patrolmen, detailed for special duty, as follows : One sergeant and one patrolman at the Recorder's Court, and also to attend all sessions of the Common Council and Board of Health ; one patrolman on night and one on day duty at the City Hall ; one roundsman and seven patrolmen on sanitary duty, to enforce the laws relative to the sale of liquors, and the collection of taxes therefor, and the filing of bonds ; to attend the Recorder's Court during the trial of State cases, and also to perform any other detail duty that may be from time to time required of them ; one patrolman serving criminal processes from justice's courts, one patrolman as secretary and superintendent of the society for the prevention of cruelty to animals, one patrolman answering police calls from the district telegraph office at night, one patrolman looking after juvenile offenders, two patrolmen on duty at the police court, one patrolman detailed as sealer of weights and measures, and one patrolman detailed as harbor master.

The station houses and barn are all in good condition, and the force on duty at each is as follows :

### WOODBRIIDGE STREET STATION.

Captain.....	1
Sergeants.....	2
Roundsmen.....	3
Men on day duty.....	10
Men on night duty.....	35
Doormen.....	2
<b>Total.....</b>	<b>53</b>

## TRUMBULL AVENUE STATION.

Captain.....	1
Sergeants.....	2
Roundsman.....	1
Men on day duty.....	6
Men on night duty.....	17
Doorman.....	1
Total.....	28

## SUB-STATION ON TWENTIETH STREET.

Sergeant.....	1
Men on day duty.....	2
Men on night duty.....	6
Doorman.....	1
Total.....	10

## GRATIOT AVENUE STATION.

Captain.....	1
Sergeants.....	2
Roundsman.....	1
Men on day duty.....	4
Men on night duty.....	17
Doorman.....	1
Janitor.....	1
Total.....	27

## SUB-STATION ON ELMWOOD AVENUE.

Roundsman.....	1
Men on day duty.....	3
Men on night duty.....	8
Total.....	12

## HOURS OF DUTY.

The number of patrolmen available for actual patrol duty is 115, and they are on duty every day in the year, including Sundays and holidays, except when the customary furloughs of five days are granted. Detachments of the night force go on duty, one every fourth day from 1 to 3 o'clock, p. m., to relieve the day force for dinner, and the sanitary patrol also do duty during these same hours every day in the Woodbridge street station precinct. The night force is on duty eight hours, besides two for relief. The day force has eleven hours of duty.

## SPECIAL PATROLMEN.

There are 19 special patrolmen on duty at the postoffice, depots, theatres, large manufacturing establishments, etc., who are appointed without expense to the department; they are required to report at the headquarters of the department between the 1st and 7th of each month.

## EXTENT OF THE PATROL DISTRICT.

The city embraces within its limits over 13 square miles of territory, and has about 235 miles of streets and many miles of alleys. All these are required to be patrolled or looked after.

## DISCIPLINE.

The discipline of the force is good. All the members of the department are held to a strict accountability for their acts, and are required to serve the public faithfully and honestly. All complaints made by officers or citizens not connected with the department, for violation of the rules and regulations, have been promptly investigated by your honorable body, and all who have been found guilty have either been dismissed or fined, or dealt with as the merits of the case seemed to you proper.

During the year thirty complaints of the character above referred to have been made, five by citizens and twenty-five by officers of the force; six were acquitted of the charges preferred, four were dismissed, five were requested to resign, and complied; four were fined, 10 were reprimanded and one was discharged under suspended sentence.

## NEW STATIONS.

The two new police stations which were opened during the year, one on Elmwood avenue and the other on Twentieth street, are officered and manned as followed, by the Captains of the Gratiot and Trumbull avenue districts respectively, and by detachments from those districts. These stations, I believe, will be of great benefit to the outlying portions of the city in which they are located, as well for protection as places for the people to go to enter complaints or make reports that may require our attention.

In this connection I respectfully ask your honorable body to consider the propriety of building two more small stations during the ensuing year, one on Grand River avenue near Twelfth street, and one in the vicinity of Harper's Hospital, near Woodward avenue. The city will then be so districted as to enable the officers to guard and watch more effectually the characters that are dangerous to the community, and also to give greater protection and security to persons and property.

I respectfully recommend also an increase of ten patrolmen in the districts of the proposed sub-stations.

#### NEEDED IMPROVEMENTS.

The new prison wagon and also the wagon for the use of the sealer of weights and measures, which were purchased during the past year, were very much needed and have proven to be beneficial to the department.

#### THE TELEGRAPH SYSTEM

has been changed for the better and at a reduced annual expense. The apparatus formerly used, frequently became disarranged and could not be relied upon with any degree of accuracy. The Bell Telephone, which is now in use, operates well, and I believe it is calculated to give entire satisfaction.

#### NEWS BOYS, BOOT BLACKS, ETC.

During several years past, especially since the era of cheap afternoon newspapers, there has been a great increase in the number of newsboys and bootblacks in the city. A great many of those boys have been thrown upon the world, without home protection and home influences and they bid fare to add very largely to the criminal class.

For a variety of reasons they became a positive nuisance to the community, and it soon became more than manifest that the strong arm of police power must be wielded to govern them. It was found impracticable to bring their cases within the meaning of the State statutes, except of course where criminal acts were committed, and just how to manage them became a problem of no easy solution. Conferences were had with the legal officers of the city, and it was their opinion that the Common Council was powerless to afford any



relief, owing to the peculiar restrictions of the city charter. Other city officers were conferred with, and finally a resolution was adopted by the Common Council instructing the City Attorney to transmit an ordinance to license the the boys. On November 20, this officer reported that the Council had no authority to pass an ordinance of this character, but gave it as his opinion that an ordinance could be passed imposing a tax on all persons who required to use the streets for the sale of their wares, etc. In this connection he reported the ordinance which is now in operation. This law has been rigidly enforced, and now, instead of a howling mob of newsboys and boot-blacks, we have, comparatively speaking, a well regulated and quite nicely behaved lot of young lads.

The ordinance is susceptible of a number of changes for the better, and these will undoubtedly soon be made, and it is hoped that a corresponding benefit will be the result.

#### VAGRANT DOGS.

The vast army of vagrant dogs that roam about the city is a source of almost constant annoyance and trouble. Just how to dispose of them is a question that requires consideration. The shooting them is attended with positive danger, and the same to a great extent may be said of poisoning. I incline to the belief that a much better plan than either of the above could be adopted by the municipal authorities. All vagrant dogs might be impounded and if not claimed within a specified time drowned or killed. Then there would be less trouble in finding and burying the carcasses than now, and the public would be greatly accommodated in more ways than one.

#### REFORMATORY AND INDUSTRIAL INSTITUTIONS.

While there is abundant provision made for boys who commit offenses cognizable by the State statutes, and institutions have been erected for their detention, schooling and employment, there is only one for the reception of females, viz: the House of Correction, and the courts have no other alternative but to send them thither. Of this latter class there is probably a much less number than the former, yet some better provision than that now existing should be made for them. I am strongly of the opinion that a House of Industry should

be maintained for both boys and girls, a place where they could not only be constantly and profitably employed, but also be fed, clothed and schooled.

With an institution of this character a large number of both sexes might be saved from crime, and poverty and distress, and fitted for manhood and womanhood.

## GENERAL INFORMATION.

The following compilation gives the name of each member of the effective force and the date of his original appointment.

Names.	Date of Appointment.	Names.	Date of Appointment.
<b>SUPERINTENDENT.</b>		<b>PATROLMEN.</b>	
Rogers A. J.,	May 22, 1865	Allen, H. D.,	April 30, 1875
<b>CAPTAINS.</b>		Adams, C. P.,	July 2, 1877
Girardin, P. N.,	Oct. 25, 1865	Brink, Charles,	June 13, 1873
Starkweather, C. C.,	August 31, 1869	Boeberitz, Albert,	Oct. 31, 1873
Myler, W. H.,	June 29, 1867	Bradley, T. F.,	June 6, 1870
<b>SERGEANTS.</b>		(Resigned Sept. 30, 1871.)	
		(Re-appointed Oct. 31, 1874.)	
Reynolds, C. E.,	May 10, 1865	Blakely, L. W.,	Oct. 31, 1874
Bachmann, A. H.,	Dec. 16, 1865	Berry, John,	March 14, 1874
Britton, A. H.,	July 31, 1867	(Resigned July 25, 1875.)	
Nolan, Wm.,	July 31, 1868	(Re-appointed Nov. 30, 1875.)	
Thomas, G. H.,	Feb. 20, 1867	Burns, James,	June 13, 1873
Burger, Jos.,	July 31, 1868	(Resigned Jan. 3, 1876.)	
Purdue, Jas.,	Dec. 12, 1866	(Re-appointed July 1, 1876.)	
Fales, D. W.,	May 10, 1865	Bartz, A. C.,	July 1, 1876
<b>ROUNDSMEN.</b>		Barry, Thomas,	July 1, 1876
		Breault, Charles,	August 31, 1876
Mack Jesse,	Nov. 30, 1866	Bannister, Wm.,	August 31, 1876
Whalen, Jno.,	Nov. 19, 1867	Campbell, Jno.,	March 30, 1872
Thompson, Wm.,	Sept. 30, 1865	Canfield, James,	Aug. 27, 1866
Bendall, Wm. H.,	June 23, 1866	Charboneau, Noah,	Aug. 31, 1871
Baxter, W. H.,	April 10, 1876	Crandell, T. F.,	May 30, 1874
Sullivan, Eugene,	Sept. 30, 1870	Cartwright, W. N.,	July 31, 1875
Somerville, Wm.,	June 30, 1871	Culver, E. F.,	July 1, 1876
<b>DETECTIVES.</b>		Cornier, G. E.,	July 2, 1877
		Calnon, Charles,	July 2, 1877
Stadler, J. B.,	May 22, 1865	Calhoun, Walter,	Dec. 31, 1874
Bishop, A. J.,	July 31, 1865	(Resigned Aug. 2, 1876.)	
(Resigned June 7, 1866.)		(Re-appointed June 30, 1877.)	
(Re-appointed Aug. 27, 1866.)		Cranshaw, James,	July 2, 1877
Sullivan, D. K.,	April 24, 1865	Cohoon, W. C.,	July 2, 1877
(Resigned April 9, 1870.)		Carmody, T. H.,	Aug. 31, 1876
(Re-appointed Nov. 30, 1875.)		(Resigned June 30, 1877.)	
		(Re-appointed Sept. 29, 1877.)	

Names.	Date of Appointment.	Names.	Date of Appointment.
Dacey, Jno.,	June 30, 1875	Murnane, Patrick,	Oct. 31, 1873
Dredge, James,	July 2, 1877	Mullen, Charles,	April 30, 1874
England, W. E.,	Aug. 31, 1876	Miller, Henry,	June 12, 1865
Ewing, Henry,	July 2, 1877	McDonald, R. S.,	Aug. 11, 1871
Fitzpatrick, Michael,	Aug. 31, 1874	(Resigned Sept. 30, 1872.)	
Fox, Geo. W.,	March 30, 1872	(Re-appointed June 30, 1874.)	
Falkner, Jno.,	May 30, 1874	Mack, Ira,	June 31, 1874
Furman, Wilmarth,	May 30, 1874	Moynahan, Patrick,	Dec. 31, 1874
Fillion, Jno.,	March 30, 1874	Moynahan, Timothy,	April 30, 1875
Fitzgerald, Jno.,	July 2, 1877	Meyers, J. G.,	March 31, 1875
Ferrington, Wm.,	July 2, 1877	McRae, Alex.,	May 31, 1875
Finlayson, Kenneth,	July 2, 1877	Moore, Samuel,	May 31, 1875
Graham, Peter,	Dec. 29, 1866	McDonnell, James,	June 30, 1875
Gascon, J. G.,	Aug. 31, 1876	Martin, Jno.,	April 30, 1874
Gregg, Thomas,	July 2, 1877	(Resigned July 30, 1875.)	
Hally, Patrick,	Sept. 30, 1872	(Re-appointed Aug. 31, 1875.)	
Hazard, J. H.,	March 30, 1872	Morwood, H. D.,	March 31, 1871
Hogan John,	Aug. 27, 1873	(Resigned Jan. 11, 1875.)	
Hall, Wm.,	March 30, 1874	(Re-appointed Aug. 31, 1875.)	
Hammond, J. E.,	Oct. 31, 1874	McKay, R. G.,	Aug. 31, 1875
Hogan, Patrick,	June 30, 1875	Moore, J. W.,	Aug. 31, 1870
Heigho, Geo.,	Nov. 30, 1875	Morahan, Thomas,	Sept. 30, 1870
Harris, J. O.,	Aug. 31, 1875	Mills, G. W.,	Dec. 31, 1875
Hedges, H. M.,	July 2, 1877	McCabe, J. M.,	Dec. 31, 1875
Ironmunger, Edw.,	July 31, 1869	Miller, Frank,	July 1, 1876
Jantz, Jno.,	April 30, 1874	McPherson, Geo.,	July 1, 1876
Johnson, Samuel,	May 31, 1875	Muston, Thomas,	Aug. 31, 1876
James, L. W.,	July 31, 1875	McMahon, Wm.,	Oct. 30, 1873
Johnson, James,	Aug. 31, 1875	(Resigned June 30, 1876.)	
Jones, A. L.,	July 2, 1877	(Re-appointed June 30, 1877.)	
Kavanagh, Daniel,	Dec. 31, 1874	Mallory, R. B.,	July 2, 1877
Krug, J. F.,	May 31, 1872	Nichols, Thomas,	Feb. 28, 1874
Krefting, Peter,	Dec. 31, 1874	(Resigned June 30, 1877.)	
Kimball, G. C.,	Feb. 29, 1876	(Re-appointed Aug. 31, 1877.)	
Krapp, Martin,	July 1, 1876	Nichols, D. C.,	May 31, 1875
Koenig, T. V.,	July 2, 1877	Newton, T. S.,	Dec. 31, 1875
Kean, Edward,	July 2, 1877	Newton, H. C.,	July 2, 1877
Ladd, H. H.,	Sept. 30, 1869	Opfer, J. B.,	May 30, 1874
Lawn, Robert,	May 30, 1874	O'Keefe Daniel,	Aug. 12, 1874
Loveland, J. W.,	June 30, 1875	O'Connor, Cornelius,	April 30, 1874
Magrath, Wm.,	July 31, 1871	O'Neil, Wm. H.,	July 2, 1877
McClellan, Jno.,	Oct. 31, 1873	Pierce, L. E.,	June 30, 1873
McKinney, James,	April 30, 1872	(Resigned Aug. 23, 1873.)	
(Resigned Sept. 30, 1873.)		(Re-appointed Dec. 31, 1873.)	
Milet, Thomas,	April 30, 1872	Packard, I. W.,	March 31, 1875
Murnane, Martin,	April 30, 1874	Rupp, Frank,	July 1, 1876
		Rascoe, Edward,	July 2, 1877
		Shank, Christopher,	April 17, 1874
		Sheen, J. M.,	April 24, 1866

Names.	Date of Appointment.	Names.	Date of Appointment.
Southwick, J. P.,	May 10, 1865	Wilford, Albert,	Sept. 30, 1870
Spillane, J. T.,	May 30, 1870	Wilson, Jno.,	Oct. 31, 1870
Sullivan, J. T.,	Dec. 31, 1876	Wardle, David,	July 31, 1875
Stooke, Jno.,	May 10, 1865	Wild, Charles,	July 1, 1876
Sullivan, Michael,	Sept. 30, 1870	Williams, J. D.,	Aug. 31, 1876
Silsbee, E. S.,	Dec. 31, 1875	Whitman, L. F.,	April 29, 1871
Shephard, C. L.,	Dec. 31, 1875	Wright, B. F.,	Feb. 29, 1876
Spillane, J. J.,	July 1, 1876		
Smith, E. A.,	Aug. 31, 1876		
Snyder, Wm.,	Aug. 31, 1875		
Spencer, Frank,	July 2, 1877		
Tilden, C. H.,	April 17, 1874		
Thompson, Thos.,	June 23, 1866		
Thompson, James,	Aug. 31, 1868		
Thompson, J. W.,	July 2, 1877		
Trainor, Hugh,	Jan. 31, 1876		
Webb, J. F.,	Aug. 30, 1872		

## DOORMEN.

Joy, Abijah,	Sept. 21, 1867
Driscoll, Dennis,	Aug. 31, 1867
Granzow, C. F.,	Jan. 31, 1874
Morris, R. W.,	March 21, 1874
Robertson, Robert,	Oct. 31, 1871

## JANITOR.

Lee, C. E.,	June 3, 1875
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## GENERAL STATISTICS.

The total number of arrests made during the year were 4,657. Of these 2,887 were married, and 1,770 were single. 3,849 could read and write, 107 could read only and 701 could neither read nor write. 4,303 were white, and 354 were colored. 1,892 were native born and 2,763 were of foreign birth.

The following tables show their occupations, the crimes for which arrests were made, the birth places of prisoners parents, and the birth places of prisoners, together with the work of the Department in detail.

## OFFENSES.

OFFENSES.	NO.	OFFENSES.	NO.
Abortion.....	1	Assault with intent to kill.....	25
Adultery.....	6	Assault with intent to commit rape	1
Allowing minors to play at cards		Attempt at burglary.....	6
in a saloon.....	1	Attempt at larceny.....	6
Allowing minors to play at games		Attempting to steal rides on rail-	
of chance in a saloon.....	2	road cars.....	1
Aiding and abetting cock fighting	37	Attempting to pass counterfeit	
Aiding in abortion.....	1	money.....	1
Aiming and pointing a revolver...	3	Bastardy.....	9
Arson .....	30	Bigamy.....	2
Assault.....	8	Breaking and entering dwelling in	
Attempt at arson.....	1	day time.....	1
Assault and battery.....	503	Breaking and entering railroad car	2

OFFENSES.	NO.	OFFENSES.	NO.
Breaking and entering store in night time.....	1	Larceny in a shop in day time.....	7
Breaking and entering office in night time.....	4	Larceny from the person.....	38
Breaking and entering shop in night time.....	3	Larceny, simple.....	330
Bringing stolen property into the State.....	1	Larceny, grand.....	133
Burglary.....	17	Lewd and lascivious cohabitation...	3
Burglary and larceny.....	33	Malicious trespass....	38
Capias.....	3	Malicious injury to railroad cars...	1
Careless use of fire arms.....	1	Malicious threats.....	1
City ordinance.....	22	Maiming and disfiguring.....	1
Common drunkard.....	11	Mendicancy.....	2
Common prostitute.....	1	Murder.....	4
Cruelty to animals .....	7	Not filing liquor bonds.....	14
Concealing of mortgaged property	2	Not notifying the assessor.....	4
Defacing flowers in cemetery.....	3	Not paying liquor tax.....	28
Defrauding landlord.....	10	Obstructing an officer.....	2
Defrauding insurance company...	1	Obtaining goods under false pre-	
Desertion.....	3	tenses.....	1
Disorderly person.....	9	Passing counterfeit money.....	4
Disturbing the peace.....	883	Permitting place to be used as a	
Drunkeness.....	1067	cock pit.....	1
Embezzlement.....	20	Perjury.....	4
Embracery.....	1	Rape.....	5
Escaped convicts.....	8	Receiving stolen property.....	20
False pretenses.....	27	Refusing to pay liquor tax.....	1
Forgery.....	20	Refusing to support family.....	11
Frequenting houses of ill-fame.....	36	Removing mortgaged property....	1
Giving liquor away on election day.....	1	Resisting an officer.....	3
Having counterfeit money in his possession.....	1	Robbery.....	16
Indecent exposure of person.....	1	Seduction.....	1
Insane.....	39	Selling and keeping lottery po-	
Keeping common gaming house...	1	licies.....	2
Keeping house of illfame.....	2	Selling liquor on election day.....	9
Keeping house for resort of prosti-		Selling liquor to an intoxicated	
tutes.....	21	person.....	2
Keeping saloon open after hours...	14	Selling liquor to minors.....	5
Keeping saloon open on Sunday...	41	Selling obscene papers.....	1
Larceny in a store in day time.....	32	Suspicion.....	72
Larceny in a house in day time....	27	Threats .....	12
		Uttering forged papers.....	2
		Vagrancy.....	849
		Wilfully killing an animal.....	1
		Wilfull trespass.....	3
		Witnesses.....	14

## OCCUPATIONS.

OCCUPATIONS.	NO	OCCUPATIONS.	NO.
Actors.....	5	Diver.....	1
Actresses.....	2	Draughtsman.....	1
Agents.....	31	Draymen.....	7
Architect.....	1	Drovers.....	2
Artists.....	2	Druggists.....	9
Attorneys.....	5	Dyers.....	2
Auctioneers.....	2	Engravers.....	5
Bakers.....	25	Engineers.....	35
Bankers.....	3	Expressmen.....	3
Barbers.....	40	Farmers.....	106
Bartenders.....	14	File cutters.....	2
Basketmakers.....	2	Firemen.....	24
Bell boy.....	1	Fisherman.....	1
Blacksmiths.....	40	Furrier.....	1
Boilermakers.....	27	Gardeners.....	14
Bonnet bleacher.....	1	Gas Fitters.....	4
Bookbinder.....	1	Gas meter maker.....	1
Bookkeepers.....	10	Glass blowers.....	3
Bootblacks.....	26	Guilders.....	1
Brakemen.....	3	Gunsmith.....	1
Brassfinishers.....	2	Hackmen.....	34
Brewers.....	11	Harnessmakers.....	6
Brickmakers.....	6	Hatters.....	4
Brokers.....	3	Hostlers.....	32
Broommakers.....	6	Hotel keepers.....	7
Builders.....	7	Horseshoers.....	1
Butchers.....	55	Housekeepers.....	280
Cabinetmakers.....	9	Jewelers.....	5
Caulkers.....	3	Laborers.....	971
Carpenters.....	128	Lamp lighters.....	3
Carriage trimmers.....	2	Last maker.....	1
Carvers.....	3	Lathers.....	9
Chimney sweepers.....	5	Lawyers.....	6
Cigarmakers.....	80	Lithographer.....	1
Clergyman.....	1	Livery keepers.....	4
Clerks.....	69	Locksmiths.....	2
Conductors.....	2	Lumberman.....	1
Confectioners.....	4	Machinists.....	56
Constable.....	1	Marble polisher.....	1
Contractors.....	4	Masons.....	66
Cooks.....	21	Merchants.....	57
Coopers.....	21	Millers.....	4
Curriers.....	4	Miners.....	2
Dentists.....	3	Moulders.....	51
Deputy sheriff.....	1	Musicians.....	7

OCCUPATIONS.	NO.	OCCUPATIONS.	NO.
Newsboys.....	33	Servants.....	207
No occupation.....	361	Shipcarpenters.....	7
Occulists.....	3	Shoemakers.....	52
Opticians.....	2	Silverplaters.....	2
Organ builders.....	3	Slater.....	1
Pail makers.....	3	Soldiers.....	7
Painters.....	102	Stone cutters.....	17
Patternmakers.....	4	Stove mounters.....	16
Pavers.....	3	Street car drivers.....	2
Pawnbroker.....	1	Students.....	109
Peddlers.....	93	Surveyors.....	2
Photographer.....	1	Tailors.....	25
Physicians.....	8	Tanners.....	7
Pianomaker.....	1	Teachers.....	2
Picture frame maker.....	1	Teamsters.....	37
Plumbers.....	16	Telegraph operator.....	1
Prostitutes.....	262	Tinsmiths.....	17
Policeman.....	1	Tobacconists.....	2
Puddlers.....	3	Trunkmakers.....	6
Printers.....	64	Tinners.....	3
Reporter.....	1	Umbrellamaker.....	1
Roofers.....	4	Upholsterers.....	3
Ropemakers.....	5	Veterinary surgeon.....	1
Runners.....	4	Wagonmakers.....	3
Sailors.....	340	Waiters.....	12
Sailmaker.....	1	Washerwoman.....	1
Saloonkeepers.....	258	Weavers.....	3
School teacher.....	1	Whitewashers.....	4
Seamstresses.....	4		

## NATIVITY OF PARENTS OF PRISIONERS.

Africa.....	4	England.....	255
Asia.....	3	France.....	73
At sea.....	5	Germany.....	796
Australia.....	5	Hayti.....	3
Austria.....	4	Holland.....	15
Bavaria.....	7	Hungary.....	5
Belgium.....	16	India.....	5
Bohemia.....	8	Ireland.....	1575
Buenos Ayres.....	4	Isle of Man.....	3
Canada.....	412	Italy.....	12
China.....	5	Lapland.....	3
Cuba.....	8	Liberia.....	1
Denmark.....	10	Mexico.....	5
East Indies.....	6	New Brunswick.....	10

New Foundland.....	9	South America.....	6
Norway.....	5	Spain.....	7
Nova Scotia.....	9	St. Domingo.....	5
Poland.....	35	Sweden.....	10
Portugal.....	6	Switzerland.....	20
Prince Edwards Island.....	1	Unknown.....	24
Prussia.....	25	United States.....	1076
Russia.....	12	Wales.....	10
Saxony.....	5	West Indies.....	3
Scotland.....	128		

## NATIVITY OF PRISONERS.

Africa.....	4	Lapland.....	3
Asia.....	3	Liberia.....	3
At sea.....	5	Mexico.....	4
Australia.....	7	New Brunswick.....	7
Austria.....	9	New Foundland.....	7
Bavaria.....	4	Norway.....	7
Belgium.....	11	Nova Scotia.....	9
Bohemia.....	5	Poland.....	25
Buenos Ayres.....	3	Portugal.....	4
Canada.....	568	Prince Edwards Island.....	2
China.....	3	Prussia.....	11
Cuba.....	4	Russia.....	7
Denmark.....	9	Saxony.....	4
East Indies.....	6	Scotland.....	111
England.....	242	South America.....	7
France.....	43	Spain.....	7
Germany.....	591	St. Domingo.....	3
Hayti.....	3	Sweden.....	13
Holland.....	12	Switzerland.....	16
Hungary.....	8	Unknown.....	6
India.....	3	United States.....	1892
Ireland.....	1046	Wales.....	9
Isle of Man.....	3	West Indies.....	5
Italy.....	9		

The figures below exhibit the number of male and female prisoners, with a classification of their ages :

Under the age of 20.....	678	172
Between the ages of 20 and 30.....	1521	321
Between the ages of 30 and 40.....	848	183
Between the ages of 40 and 50.....	481	96
Over the age of 50.....	295	62
Totals.....	3823	834



The following amount of money was taken from prisoners when brought to the station houses, and returned to them when their cases were disposed of: Six thousand five hundred and fifty-eight dollars and sixty-eight cents, (\$6,558.66.)

#### DISPOSITION OF CASES BY POLICE JUSTICE.

Cases dismissed.....	385
Cases nolle prosequed.....	12
Cases still pending trial.....	15
Complaints withdrawn and costs paid.....	38
Discharged.....	362
Gave bail for good behavior.....	11
Paid fines imposed.....	571
Personal recognizance taken for good behavior.....	46
Recognizance forfeited and rearrest ordered.....	29
Sentence suspended.....	859
Sentenced to House of Correction.....	1920
Sentenced to Reform School .....	20
<b>Total.....</b>	<b>4068</b>

#### CASES DISPOSED OF BY THE RECORDER.

Cases nolle prosequed.....	28
Cases still pending trial.....	33
Discharged.....	45
Paid fines imposed.....	23
Sentence suspended .....	10
Sentenced to House of Correction.....	41
Sentenced to Reform School.....	7
Sentenced to State Prison.....	41
<b>Total.....</b>	<b>228</b>

#### CASES DISPOSED OF BY THIS DEPARTMENT.

Discharged.....	112
Turned over to Director of Poor.....	15
Turned over to Commissioner B. Smith.....	12
Turned over to friends (insane).....	22
Turned over to officers from abroad.....	63
Turned over to Superintendent House of Correction.....	2
Suicided in Station House.....	1
Turned over to United States Authorities.....	8
<b>Total.....</b>	<b>235</b>

The remaining cases were disposed of as follows :

Judge Reilly, Wayne Circuit Court.....	12
Judge Baldwin, Oakland Circuit Court.....	4
Judge Williams, Houghton Circuit Court.....	2
Justice Brown, Wayne county.....	28
Justice Barbier, Wayne county.....	23
Justice Lempkie, Wayne county.....	5
Justice Comstock, Wayne county.....	7
Justice Guenther, Wayne county.....	12
Justice Toll, Wayne county.....	12
Justice Spencer, Ionia county.....	1
Justice Sayer, Wexford county.....	3
Justice McGuire, Wayne county.....	1
Justice Tuttle, Alpena county.....	1
Justice Holden, Wexford county.....	1
Justice Call, Midland county.....	1
Justice Campbell, Lake county.....	1
Justice Davis, Antrim county.....	1
Justice Wheeler, Wexford county.....	1
Justice Baldwin, Lapeer county.....	1
Justice Thomas, Oakland county.....	1
Justice Lamsberg, Midland county.....	1
Justice McHugh Bay, Midland county.....	1
Justice Reynolds, Hillsdale county.....	1
Justice Pullman, Muskegon county.....	1
Justice Nottingham, Mecosta county.....	1
Justice Stewart, Deerfield M.....	1
Justice Visger, Grosse Point M.....	1
Justice Wood, Wayne M.....	1
<b>Total.....</b>	<b>126</b>
<b>Grand total.....</b>	<b>4657</b>

#### RECORDER'S COURT REPORT.

Capias served.....	15
Mittimus served .....	21
Jurors summoned.....	128
Subpoenas served.....	1150
Warrants served for abusive language.....	71
“ “ hack ordinance.....	76
“ “ license ordinance.....	41

Warrants served for miscellaneous.....	193
“ “ news boy's ordinance.....	22
“ “ nuisance.....	95
“ “ porter and runner.....	15
“ “ public peace.....	1
“ “ pounds.....	19
“ “ railroad.....	33
“ “ sidewalk.....	86
“ “ snow on walks.....	100
“ “ weights and measures.....	44
Total.....	<u>2110</u>

ALSO,

Notices served for city officers.....	6292
Total.....	<u>6292</u>
Grand total.....	<u>8402</u>

#### Report of officers detailed at the Police Court :

Jurors' summons served.....	102
Subpœnas served.....	2120
Total.....	<u>2222</u>

#### Report of officers detailed at Justices' Courts to attend to liquor cases at Police Court :

Jurors summoned in liquor cases.....	162
Jurors summoned at Justice Courts .....	132
Subpœnas served.....	187
Total.....	<u>481</u>
Grand Total.....	<u>2703</u>

Report of Patrolman detailed to act in concert with Bradford Smith, Esq., State Agent for juvenile offenders, for the period commencing July 1st, 1877, and ending with the fiscal year :

Discharged.....	50
Sentence suspended.....	58
Sentenced to House of Correction.....	18
Sentenced to Reform School.....	23
Sentenced to State Prison.....	1
<b>Total.....</b>	<b>150</b>
Number who have been reported and who are kept under surveillance, and whose record is kept in a special book, but who have not been arrested.....	64
<b>Total.....</b>	<b>64</b>
<b>Grand total.....</b>	<b>214</b>

During the above period thirteen trips have been made to the Reform School at Lansing.

The above comprises those only who have been brought directly before the police authorities.

Besides the above Mr. Smith has the names of a large number of juvenile offenders who are required to be visited at various intervals, the idea being to satisfy Mr. Smith that they conduct themselves properly.

#### HARBOR MASTER'S REPORT.

There are under charge of the Harbor Master at the present time twenty three life preservers, which are placed along the docks at the most frequented and dangerous places, between the Michigan Central and Detroit and Milwaukee railroad depots

During the past year eighteen persons were saved from drowning with the aid of them. All the preservers are in good condition except two.

The boat, oars, mast, sail and other apparatus in our charge are in good condition, wear and tear excepted.

During the year the bodies of a number of persons who have been drowned, or supposed to have been drowned, were dragged for, but we were successful in recovering only one body, that of a little girl named Katie Blumenthal, who was drowned from the dock foot of Seventeenth-and-a half street.

## STOLEN PROPERTY REPORT.

MONTHS.	No. of Complaints.	Value of property reported stolen in the city.	No. of complaints in which property was recovered.	Value of property recovered.	Per cent. recovered.
January, 1877.....	41	\$2,507 00	12	\$11 51	.458
February, ".....	36	1,001 25	11	590 00	.587
March, ".....	43	1,533 00	14	564 50	.368
April, ".....	66	7,119 55	21	5,104 75	.717
May, ".....	55	5,546 62	19	2,478 97	.446
June, ".....	53	8,693 50	22	979 50	.265
July, ".....	41	1,667 50	7	285 00	.171
August, ".....	41	3,046 50	17	840 50	.275
September, ".....	50	2,183 00	13	1,394 00	.638
October, ".....	55	2,130 25	8	625 25	.293
November, ".....	60	3,418 00	12	1,564 50	.457
December, ".....	96	3,223 25	19	1,096 50	.340
Totals.....	637	\$37,070 42	175	\$16,674 47	.449

## SEALERS OF WEIGHTS AND MEASURES REPORT.

CHARACTER.	Approved.	Condemned.	Total.
Butcher scales.....	91	14	105
Counter scales.....	1793	314	2107
Platform scales.....	862	257	1119
Pounds of weight extra.....	57	226	283
Spring balance scales.....	318	82	400
Total.....	3121	893	4014
DRY MEASURES.			
Counter yard measures.....	190	53	225
Cord wood boxes.....	6	1	7
Half-cord wood boxes.....	33	5	38
Half-bushel measures.....	578	87	665
Peck measures.....	585	118	703
Half peck measures.....	632	104	736
Two quart measures.....	693	114	807
One quart measures.....	725	91	816
Total.....	3442	555	3997
WINE MEASURES.			
Five gallon measures.....	14	10	24
Two gallon measures.....	8	3	11
One gallon measures.....	172	26	198
Two quart measures.....	239	29	268
One quart measures.....	460	42	502
Pint measures.....	353	42	395
Half-pint measures.....	307	30	337
One gill measures.....	42	7	49
Total wine measure.....	1595	189	1784
Total dry measure.....	3442	555	3997
Total scales.....	3121	893	4014
Grand total.....	8158	1637	9795

## INCIDENTAL DUTIES.

Animals impounded.....	1,016
Dead bodies found and turned over to the Coroners.....	39
Destitute persons furnished lodgings at station houses.....	8,139
Fires attended and assistance rendered.....	196
Fires discovered and extinguished without aid of the fire department.....	14
Lost children found and restored to their parents.....	311
Lots of goods found and restored to their owners.....	92
Persons picked up in streets and cared for.....	65
Persons rescued from drowning.....	15
Small-pox cards posted.....	208
Stores found open and closed by night patrol.....	1,095
Stray teams and wagons found in streets and returned to owners.....	177
Unlighted street lamps reported.....	2,330

## LODGERS' REPORT.

Males.....	7,939
Females.....	200
<b>Total.....</b>	<b>8,139</b>
Native born.....	4,339
Foreign birth.....	3,800
<b>Total.....</b>	<b>8,139</b>

## COMPARISONS.

The following comparative table shows the arrests made during the years named, for the causes therein set forth :

CAUSES OF ARREST.	1874.	1875.	1876.	1877.
Assault and battery.....	344	273	404	503
Assault with intent to kill.....	17	12	18	25
Attempted burglary.....	.....	1	2	6
Burglary .....	.....	17	26	17
Burglary and larceny.....	27	31	87	33
Common drunkards.....	22	27	12	11
Disturbing the peace.....	1188	1305	783	883
Drunkenness.....	2199	1813	982	1067
Keeping saloon open on Sunday.....	.....	.....	68	41
Larceny from store in day time.....	2	12	14	32
Larceny from house in day time.....	6	14	12	27
Larceny from shop in day time.....	.....	.....	1	7
Larceny from the person.....	25	19	13	38
Larceny, simple.....	212	348	343	320
Larceny, grand.....	106	145	122	133
Not filing liquor bonds.....	.....	.....	23	14
Not paying liquor tax.....	.....	.....	4	28
Obtaining money under false pretenses.....	2	4	13	.....
Receiving stolen property.....	8	9	19	20
Robbery.....	6	1	16	16
Selling liquors to minors.....	10	5	23	5
Vagrancy.....	236	328	443	849
Arrests for all causes.....	4861	4939	3897	4657



## COMPARISON WITH OTHER CITIES.

CITY.	Date of Report.	Population of city named.	Numerical strength of Force.	Per annum salary of Patrolmen.	Total annual expense of Department.	Square miles of territory patrolled.
New York.....	1876	1,070,000	5548	\$1.200 00	\$3,500,000 00	40
Philadelphia.....	1876	817,448	1292	912 00	1,437,546 00	65
Chicago.....	1876	500,000	591	850 00	564,398 00	38
Brooklyn.....	1876	498,586	624	1,100 00	814,238 00	21
St. Louis.....	1876	450,000	550	900 00	512,313 00	23
Boston.....	1875	375,000	700	1,095 00	814,941 00	52
Baltimore.....	1875	305,000	594	936 00	582,000 00	.....
San Francisco.....	1876	250,000	154	1,500 00	233,050 00	5½
New Orleans.....	1875	210,000	415	1,000 00	628,000 00	.....
Washington.....	1875	120,000	242	1,080 00	325,000 00	.....
Cincinnati.....	1875	300,000	333	900 00	356,100 00	24
Cleveland.....	1876	160,000	162	840 00	169,363 00	24½
Buffalo.....	1875	135,000	204	.....	.....	.....
Newark.....	1875	120,000	178	.....	175,047 00	18
Louisville.....	1874	101,000	191	.....	170,000 00	.....
Providence.....	1875	100,000	190	.....	224 049 00	.....
Jersey City.....	1874	87,000	161	.....	219 486 00	.....
Albany.....	1875	86,013	118	.....	112,762 00	.....
Detroit.....	1877	125,000	158	6 & 700 00	135,000 00	13½

## MISCELLANEOUS COMPILATION.

The following table summarizes a number of things, all of which requires a large amount of watchfulness on the part of the Department :

CHARACTER OF PLACE.	PRECINCTS.		
	Woodbridge street.	Gratiot avenue.	Trumbull avenue.
No. of junk and second-hand dealers.....	23	76	8
No. of lodging houses.....	5	1	...
No. of intelligence offices.....	10	2	...
No. of houses of ill-fame and assignation.....	60	74	9
No. of girls employed at the latter.....	91	124	8
No. of pawn shops.....	7	...	...
No. of disorderly houses and places of resort for thieves.....	9	5	6

There are many places other than those above enumerated where thieves and disorderly persons congregate, chiefly places where liquors are sold, but these constitute the worst to be found in the city.

I have the honor to be,

Very respectfully,

Your obedient servant,

A. J. ROGERS,  
*Superintendent.*

## Sanitary Report.

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DETROIT, January, 21, 1878.

A. J. ROGERS, *Superintendent of Police* :

SIR—I have the honor to submit the following report of the Sanitary patrol, under my charge, for the past year :

Up to April 12th six men were detailed for this duty, and since then there have been seven. Each patrolman is assigned to a particular district for sanitary duty proper. In addition to their duties, however, one man is detailed to look after licensed newsboys during one-half of each week day, and the other six perform patrol duty in the Central Station precinct, from one to three o'clock P. M. constantly, three of them being on duty one day and three the next, and so on. All report to their Captains for duty, on Sundays. Sometimes four, and invariably three, of the sanitary force are required for duty during the trials of State cases in the Recorder's Court, and a great variety of special duty—both day and night—has been performed.

### NOTICES SERVED.

The notices served and recorded are classified as follows :

Dangerous buildings reported,.....	4
Dead animals ordered removed,.....	2,128
Defective drains,.....	214
Defective receiving basins,.....	14
Filth ordered removed from streets and alleys,.....	2,602
Filthy premises ordered cleaned,.....	683
Filthy cow houses ordered cleaned,.....	50
Filthy hog pens ordered cleaned,.....	284
Leaking water pipes reported,.....	488
Offensive slaughter houses ordered cleaned,.....	66
Privies ordered emptied,.....	2,073
Stagnant water ordered removed,.....	83
Snow and ice on sidewalks ordered removed,.....	693
To clean chimneys,.....	584
To comply with fire ordinances,.....	13

## THE POLICE COMMISSIONERS.

35

To comply with the game law,.....	45
To connect with lateral sewers.....	313
To construct privy vaults,.....	25
To erect hitching posts,.....	15
To guard and fill excavations,.....	.54
To number buildings,.....	4,188
To raise awnings,.....	421
To relay torn up pavement.....	101
To remove obstructions from streets, etc,.....	1,182
To remove signs,.....	37
To repair defective culverts,.....	32
To repair defective gratings,.....	26
To repair sidewalks,.....	3,102
To repair wharves,.....	3
<hr/>	
Total, .....	18,523

## GENERAL OPERATIONS.

In addition to the above, we have notified all persons requiring to pay city licenses, excepting pawnbrokers, to comply with the ordinances regulating them, and generally have seen that these laws were properly enforced.

We have also assisted in the issuing of badges and permits to newsboys and bootblacks—700 of them—and have made a special effort to see that the provisions of the experimental law relating thereto has been implicitly obeyed. A great deal of time was necessarily spent, especially on the start, in this matter, but the result has more than confirmed the belief entertained in the beginning, that the recipients of badges and permits could be regulated and controlled.

## SANITARY WORK.

The contractors for the removal of dead animals have performed their work quite acceptably, not however, without a few complaints. The system works fairly, but is open to improvement.

During our explorations we have discovered numerous cases of defective drainage in private houses, places of public resort, and in buildings used for building purposes. So far as discovered, the proper remedies have been applied. These investigations will be continued as fast as practicable, with a view of examining every house, store and hotel in the city. It not only essentially necessary to examine the

condition of the lateral drains, but also all connections, of whatever name or nature. That a proper system of drainage is essential to public health, admits of no question. Detroit, with nearly 150 miles of sewerage, affords abundant facilities for this purpose, and it being one of the duties of the Sanitary department to see that the public generally avail themselves of the opportunities thus offered, it is proposed to enforce all regulations on this subject.

Although in many instances the lateral drainage has been found to be defective in various ways, I find a general willingness to follow reasonable instructions in relation thereto, and in this manner much has been accomplished. Unless some mode is adopted to prevent the flow into buildings of the noxious gases that are constantly being engendered in sewers, they cannot fail to convey the germs of disease into every household. Drinking, as sewers do, the impurities of the earth, receiving soiled and other matters from thousands of homes, and accumulating filth from streets and alleys, they become charged with the poisonous gases resulting from rapid decomposition. These gases seek vent through every opening, be it even so small, and penetrate and saturate the air of all houses with equal freedom and effect. Every drain should have a trap of some kind, and care should be taken to prevent everything in the shape of noxious vapor flowing into human habitations.

The amount of decomposed and decomposing matter that finds its way into public and private places is enormous, and a vast amount of care, and sometimes patience, is required to effect its removal. Prompt and vigorous measures are taken in all cases of this character.

The keeping of cattle and hogs in pens and inclosures is a source of much complaint, and to remedy evils of this kind we have frequently been obliged to invoke the aid of the Recorder's Court.

Slaughter houses, meat markets and places where articles of food are sold need periodical inspections, and in every case the provisions of the ordinances relating thereto are enforced.

Constant vigilance is exercised to prevent the introduction of anything that may tend to interfere with the health of the city, and while the men on sanitary duty are using every effort to locate unhealthy places, they are thankful to receive information from citizens of such.

## SMALL-POX.

This much-dreaded disease prevailed to a considerable extent at the beginning of the year. In midsummer the Common Council, on the recommendation of the Board of Health, deemed it advisable to provide for a general vaccination of the inhabitants. The work was soon afterwards commenced and pushed forward as rapidly as possible, and soon the disease disappeared. Altogether 16,060 persons were vaccinated. The disease was not confined to any particular district, but, with a few exceptions, it was most prevalent where filth, ignorance and superstition abounded. The most stringent police regulations possible were employed in quarantining the houses where it existed. Cards were posted to warn the public, and before permitting their removal we insisted upon a certificate, not only from the physician in attendance, but also from the President of the Board of Health, that the buildings, etc., had been thoroughly disinfected and cleansed.

The following tabular statement shows the number of cases and deaths reported :

MONTHS.	Cases.	Deaths reported.
February.....	31	14
March.....	47	10
April.....	38	10
May.....	47	19
June.....	27	16
July.....	18	6
August.....	2	0
September.....	1	0
Total.....	211	75

## NUMBERING OF BUILDINGS.

The work of examining the numbers upon all the buildings in the city requiring them has been substantially completed. Except, possibly, in the extreme outlying districts, improperly numbered buildings are rare. When the work was first entered upon very many houses were found without numbers of any kind, and in numerous instances almost whole streets required renumbering. To ensure

accuracy each officer must, of necessity, be able to acquaint the owners of buildings with the proper number to put up, and to do this it became necessary to make a rough plat of every block visited. It will readily be seen, therefore, that the execution of orders relative to this subject was attended with great care and much labor.

#### SIDEWALKS.

Although neither the construction of new nor the repairing of old sidewalks comes within the jurisdiction of the police department, yet, as directed, the sanitary patrolmen have given this subject as full attention as possible, and, especially in the matter of repairs, much has been accomplished. Unfortunately, however, the city has had no contractor for building plank walks in the eastern district, and, as a result, there are very many broken and exceedingly dangerous places in that locality. These are mostly adjacent to vacant lots and can only be reached through a contractor.

#### THE LIQUOR LAWS.

Under your directions I have supervised the enforcement of the laws regulating the filing of bonds for the sale of liquors, and also imposing a tax upon this business.

The following statement shows the number of assessments made during the year :

Wholesale dealers.....	27
Brewers .....	28
Retail dealers (principally saloons).....	823
Total.....	878

Included in the above figures are 203 new assessments that were made after the regular rolls were closed on the first of June. Of those originally assessed 77 went out of business and of the 203, 47 quit, making a total of 124. Deducting the wholesale dealers and brewers, and there remains 699 assessments for retailing malt, and malt and spirituous liquors. This shows a reduction from the previous year of 141. Included in the figures first above given are quite a number who were detected selling spirituous liquors while only taxed for malt, and they were reported and assessed accordingly. Under the circumstances this number is duplicated in the grand total, and the decrease in the aggregate of places where the liquor business is or has been actually carried on will be proportionate.

The whole number—and also all the druggists in the city—have filed the bonds as required by law, and 738 have paid the assessments made, either to the treasurer of the county of Wayne or to the sheriff, leaving 140 yet to be heard from.

Each dealer, as well as all the druggists, were notified to file bonds, and all complied without being prosecuted in the police court, excepting 113. Upon complying with the requirements of the statute in this respect, the police justice deemed it best to dismiss the complaints, generally, however, with \$3.00 costs in each case. The same course was taken relative to the payment of liquor taxes. A vast amount of persuasion and four or five visits to each place, often failed to produce the desired effect, and 34 complaints were made at the police court. The balance of the delinquents will be prosecuted unless, in the meantime, they pay the taxes assessed against them.

The law relative to bonds was amended at the last session of the Legislature and, as changed, requires that all persons engaged in the business of selling liquor shall, "before commencing such business, and on or before the first day of May," file bonds. The city assessor is not absolutely required to make the assessments until the third Monday in May, and he has until the first Monday in June to complete the same. As it will, according to this law, be impossible to ascertain, for an absolute certainty, on the third Monday in May, the names of those who will be in business on the commencement of the year in June, we may experience some difficulty in getting the bonds on file to literally comply with the statute.

Very respectfully submitted,

WM. H. BAXTER, *Roundsman.*



## Surgeon's Report.

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*To the Honorable the Board of Metropolitan Police Commissioners :*

GENTLEMEN : I have the honor herewith to transmit a brief report for the year of 1877.

The health of the force has been as good as in former years. I regret, however, to record the death of patrolman John Quigley, who died April 9th, after a brief illness of a few hours duration, caused, I believe, by some overexertion on his part, otherwise but few cases of serious sickness have occurred, all of which have made perfect recoveries.

I think it quite remarkable that with so many men subjected from the very nature of their duties to the inclemency of the weather, and irregular hours for eating and sleeping, that none of them have broken down or developed any serious cases of chronic diseases during the year, a fact which speaks exceedingly well for the general physique of the patrolmen.

I have nothing to recommend in relation to the station houses, always having found them in good order in every respects.

The sanitary detail as now managed under roundsman Baxter, has been of great service to the city in abating nuisances and thus preventing sickness in quarters where otherwise it would most certainly have prevailed. The deportment of the men over this duty last season deserves the highest praise, and I would respectfully recommend the continuance of the same detail next summer so far as possible.

Very respectfully,

D. O. FARRAND,

*Surgeon D. M. P.*

Sixteenth Annual Report

OF THE OFFICERS OF THE

DETROIT HOUSE OF CORRECTION.

TO THE

*COMMON COUNCIL OF THE CITY OF DETROIT,*

For the Year 1877.

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DETROIT:  
FREE PRESS BOOK AND JOB PRINTING HOUSE.  
1878.



*REPORT*  
OF  
Inspectors of the House of Correction,  
TO THE  
COMMON COUNCIL.

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*To the Honorable the Common Council of the City of Detroit:*

GENTLEMEN—The Inspectors of the House of Correction take pleasure in laying before you the sixteenth annual report of the Superintendent. With it will also be found the reports of the physician and teacher of the institution.

The report of the Superintendent, in addition to his usual report, contains a statement of the aggregate amount invested by the city in that institution, from its inception to the present time, in which he shows a gratifying result in its favor.

The continued depressed state of business throughout the country has similarly affected the business of the institution, which necessarily lessened the profits derived. Nevertheless, the annexed financial exhibit shows that the institution has produced at the end of the year a net profit of \$10,460.43.

We cheerfully testify to the ability, the energy, the untiring interest and self-denial evinced by the Superintendent in the discharge of his manifold, laborious and constantly increasing duties, to the good discipline pervading the institution, and to the excellent order and cleanliness of the different wards.

Respectfully submitted.

FRANCIS PALMS,  
WM. C. COLBURN,  
WILLIAM FOXEN,  
*Inspectors of the House of Correction.*

*R E P O R T*  
OF  
House of Correction Committee,  
AND  
EXPERTS SMITH AND NORRIS.

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*To the Honorable the Common Council :*

GENTLEMEN—Your Committee on House of Correction, to whom was referred that portion of the message of his Honor the Mayor, relative to the actual value of the property connected with the House of Correction, and the system of keeping and examining accounts therein, would herewith respectfully submit the reports of Henry Smith and J. J. Norris, the experts employed to take an inventory and examine the accounts and method of keeping the same.

We find the reports of Mr. Smith and Mr. Norris to be full and explicit, and would therefore present them with and as part of our report.

Respectfully submitted.

BERNARD YOUNGBLOOD.  
DANIEL GUINEY.  
JOHN R. RYAN.

*To the Committee on the House of Correction :*

GENTLEMEN—I hereby submit to you my report in detail of the system of book-keeping at the Detroit House of Correction :

The books are kept double-entry, but different from the ordinary system of mercantile houses. The system is an excellent one, and so classified that it lessens materially the clerical work. As it is,

it requires his strictest attention and long hours to complete his work without help.

January 1st of each year, an invoice book of purchases is opened; on the left half-leaf, at the top is printed "Purchases for Household Maintenance," and the right half-leaf, at the top is printed "Purchases for Manufacturing and Other Purposes." This book is divided into dollar and cent spaces; at the top of each space is printed the different representative accounts, each bill of purchase is entered, and divided if necessary, and placed under its proper heading, but the total amount of bill is carried to the further right hand column of the book, this completed makes it a double-entry. Each line of this book is numbered, commencing with No. 1, and continues on throughout the year. The same number opposite the entry is placed on the corner of the voucher, making the voucher number agree with the entry. The voucher is then taken and pasted into a large blank-leaf book and indexed, so that you can refer to any one voucher in a moment's time. This system of filing away vouchers is very systematic.

Every entry of purchase is posted direct from this invoice book, which does away with journalizing. At the end of each month, each representative account is footed and posted, which makes but twelve postings per year, by adding the total voucher column by itself, and the representative columns by themselves, if correct, will balance.

The sales book is on the same principle as the invoice book of purchases. Its representative accounts are divided off. Every sale made is charged on this book, except a cash sale; in that case it is charged on the cash book. The amount of each charge is placed in the column under the proper representative heading. The sales are posted from this book as if journalized, and at the end of each month the representative accounts are footed and posted, the same as the invoice book.

The cash book is kept as follows: Each day's receipts and disbursements are added and extended to the adjoining column, and is so carried along until the end of each month. The daily extensions are footed, the balance struck and carried forward to the next month. The footings are posted to the main cash account, which shows but twelve lines used in one year on the ledger.

The journal is used as the original book of record for the large purchases of lumber by contract, discounts, cartage, and prisoners' board bills.

System of prisoners' board bills: A sheet is made out quarterly, against every county, and copied into a large copy book used only for that purpose. The total amount of each prisoner's board bill is journalized and posted in totals each quarter. This system is labor-saving.

The tickler: This book is used for all bills sold on time, the established rule is sixty days, all unpaid accounts after sixty days are entered on this book. At the end of two months, or any time in the year, you have always at a glance the unpaid accounts before you, it saves time looking for the age of any one account. Again, this tickler at the end of each year, is carefully examined, and the doubtful accounts are drawn off and transferred through the proper course to suspense accounts, and thence to loss and gain. The final showing for the year will be honest and true.

Purchases of lumber: On the receipt of lumber on the premises, it is measured and inspected by a practical inspector of the House. His figures are credited and not the owners', which saves a world of trouble in settlement of large contracts. The settlements are made by notes for three months. If the party is in want of money the House of Correction buys up its own paper at the rate of ten per cent per annum. At the end of each year it makes a handsome showing on the interest account.

In looking over the books to get at the system, I find there has been every carefulness used in keeping them in good shape, and every branch of the work connected is kept up in good clerical order.

J. J. NORRIS,

*Expert Accountant.*

DETROIT, March 11, 1878.

*To the Committee on the House of Correction, Ald. Youngblood Chairman:*

We, the experts employed by the Common Council, under the control of the Committee on the House of Correction, in accordance with your orders, have carefully gone through the entire stock, machinery and tools, furniture and fixtures, barn stock and

outside items belonging to the Detroit House of Correction, and have used our best judgment in appraising the same.

Annexed is our condensed inventory, showing the total of each division, the reductions and additions of the same, also the main totals and final balance difference.

J. J. NORRIS,

*Expert Accountant.*

DETROIT, March 11, 1878.

STATEMENT OF INVENTORY, CONDENSED, JANUARY 1, 1878.

DIVISIONS.	Supt. Borgman's Figures.	Expert Smith's Figures.	Reductions by Expert Smith.	Additions by Expert Smith.
Machinery and tools .....	\$27,519 92	\$24,220 71	\$3,299 21	.....
Lumber .....	29,487 29	29,187 76	299 53	.....
Material .....	5,802 84	5,802 84	.....	.....
Clothing .....	6,614 93	6,614 93	.....	.....
Finished stock .....	17,612 84	17,612 84	.....	.....
Unfinished stock .....	69,955 11	68,390 25	1,564 86	.....
Barn .....	2,640 40	2,339 40	301 00	.....
Fuel .....	216 50	216 50	.....	.....
Provisions .....	1,635 72	1,636 32	.....	\$50 60
Furniture and fixtures ....	9,082 45	7,965 72	1,116 78	.....
Clothing and bedding ....	4,605 00	4,072 87	532 63	.....
General expense .....	257 42	257 42	.....	.....
	<b>\$175,430 42</b>	<b>\$168,367 06</b>	<b>\$7,113 96</b>	<b>\$50 60</b>

Superintendent Borgman's Inventory total..... \$175,430 42

Expert Smith's Inventory total..... 168,367 06

**\$7,063 36**

Expert Smith's difference brought down:

Reduction on inventory..... \$7,113 96

Addition to inventory..... 50 60

**\$7,063 86**

The above condensed inventory was revised March 2, 1878.

HENRY SMITH,

J. J. NORRIS.



*To the Committee on the House of Correction, Ald Youngblood Chairman :*

According to your request the expert accountant submitted a complete copy of the annexed form to the Board of Inspectors on the House of Correction for their inspection March 2, 1878.

The Board decided to accept the reduction on the machinery and tools, and furniture and fixtures; the other difference they refused to accept, but chose the Superintendent's figures, and requested him to make his annual report from the same.

See small statement annexed, with the Inspectors' changes thereon.

J. J. NORRIS,

*Expert Accountant.*

DETROIT, March 11, 1878.

#### STATEMENT OF CHANGES NOT ALLOWED BY THE BOARD OF INSPECTORS.

Amount of balance differences brought from the main statement .....	\$7,063 36
Amounts rejected by the Board of Inspectors:	
Reduction on lumber .....	\$299 53
Reduction on unfinished stock.....	1,564 86
Reduction on barn stock .....	301 00
Reduction on clothing and bedding .....	532 63
	<hr/>
	\$2,698 02
Addition on provisions.....	50 60
	<hr/>
	\$2,647 42
	<hr/>
	\$4,415 94
Total reduction balance allowed by the Board of Inspectors brought down.....	\$4,415 94

J. J. NORRIS,

*Expert Accountant.*

NOTE.—By referring to the House of Correction inventory in this report, it will be noticed that the experts, Messrs. Smith and Norris, are in error as to the Superintendent's valuation of property, the total amount being \$163,040.48 and not \$175,430.42 as reported by these gentlemen.

M. V. BORGMAN,

*Superintendent.*

## Superintendent's Report.

*To the Inspectors:*

GENTLEMEN—Herewith I hand you my annual report, showing the operations of the Detroit House of Correction for the year 1877; also the reports of the physician and teacher for the same period.

During the year, 5,119 prisoners passed through the office of the House of Correction, of which 2,619 were received and 2,500 were discharged, leaving in confinement on the 31st of December, 815, and at the date of this writing, 940 inmates, which is an increase of 218 over the corresponding date of last year, and 511 more than the institution contained five years ago. The daily average number for the year being 581.

Of those discharged, 150 served one year or over, while 2,120 remained less than four months, the average time served was 80 days.

Of the 2,619 prisoners received during the year, 2,391 were charged with the following offenses:

Simple Larceny.....	800
Assault and Battery.....	138
Drunkenness.....	501
Disorderly Conduct.....	588
Vagrancy.....	868

The cost *per capita* for food (including the board of Superintendent's family and thirty prison officers), for the past year was thirteen cents per day.

The earnings of the institution, though diminished, as compared with some former years, have nevertheless been sufficient to cover all expenses and leave a surplus of \$10,460.43 as a net profit of the year's business.

For full information concerning the present condition of the House of Correction and the general business transactions for the

year, I respectfully refer you to the accompanying statistical tables.

I am frequently asked how much the City of Detroit has invested in the House of Correction property, and whether the institution is self-sustaining. I have thought it proper therefore, as the public generally are interested, to answer the questions in this report.

From its inception, to the present time, the House of Correction has received from the City of Detroit, for all purposes, \$189,841.36, as follows :

Appropriations of 1860 and 1861 for purchase of ground and erecting main buildings .....	\$77,888 26
Appropriations of 1861 for purchasing necessities for opening the House.....	10,000 00
Appropriation of 1862 for machinery and current expenses..	8,000 00
Appropriation of 1863 for general purchases.....	3,000 00
Appropriation of 1864 for lightning conductors.....	200 00
Appropriation of 1865 for working capital.....	15,000 00
Appropriation of 1870 for paving Russell street.....	2,253 10
Appropriation of 1873 for working capital and repairs to buildings.....	44,000 00
Appropriation of 1874 for working capital.....	14,000 00
Appropriation of 1875 for putting in 84 new cells and making additions and repairs to buildings.....	16,000 00
<b>Total.....</b>	<b>\$189,841 36</b>
The indebtedness December 31, 1877, in notes and accounts is	\$19,378 67
The assets of the House of Correction <i>exclusive</i> of buildings, grounds, fixtures and improvements, consists of property as shown in inventory (revised by experts) amounting to	\$163,040 48
Valid outstanding accounts.....	55,224 56
Cash on hand (in bank).....	13,034 86
<b>Total assets.....</b>	<b>\$231,299 90</b>

Thus it will be seen that the Detroit House of Correction has been self-supporting during the entire period of its existence, has ample means to liquidate every obligation, and has in addition to maintaining over 15,000 city prisoners, without expense to the city, accumulated property to the value of \$200,000 over and above the amount received from the City of Detroit.

The Physician's report embraces all that pertains to the health of inmates, and the sanitary condition of the institution. I cannot however, pass the subject over without acknowledging the faithful

and courageous services of the officers and employes during the prevalence of small-pox in our midst a year ago. Dr. Yemans was constant in his attention upon the sick, and unremitting in his efforts to "stamp out" the disease, frequently remaining at the institution for days and nights without relief, watching by the bedside of some unfortunate victim to that dreadful malady.

The educational and religious work is conducted about the same as in years past; full information relating thereto will be found in the Teacher's report.

To the clergymen and others who have presided at our Sunday morning services, and to the ladies and gentlemen who have kindly favored the inmates with interesting lectures, readings and music, on so many occasions, I am placed under very grateful obligations.

In the performance of my duties, I have never been forgetful of the important fact that I have in my charge the affairs of a public institution, where the most rigid economy is required at all times. The purchase of supplies for the prison, material for the manufacturing department, and the sale of our manufactured goods, has always received my personal attention. But while economy has been exercised to every possible extent, the welfare of the prisoners has not been overlooked; they are abundantly provided with good wholesome food to eat, suitable clothing to wear, and as comfortable beds to sleep on as the present crowded condition of the institution will admit of.

Anticipating my retirement from the institution at the close of my official term, or possibly sooner, I desire to express my appreciation of the ready and valuable assistance I have ever received from the officers and employes since my connection with the House of Correction. I do not believe that a more harmonious and efficient corps of assistants can be found in any similar institution in the country.

Thanking you, gentlemen of the Board, for the continued confidence and cordial support in all our business relations,

I remain, very respectfully,

Your obedient servant,

M. V. BORGMAN,

*Superintendent.*

## FINANCIAL STATEMENT.

## INCOME.

## CHAIR ACCOUNT

Property on hand January 1st, 1877:

Chairs finished .....	\$18,786 51
Chairs manufacturing .....	55,469 16
Lumber .....	22,085 97
Material .....	7,542 55
Machinery and tools .....	26,944 61
	<hr/> \$130,778 80

Chairs finished—Amount charged this account for services of agents, foremen, overseers, shipping clerk, free labor in cane-seating department, and discount .....

\$34,214 06

Lumber—Amount since purchased.....

36,544 40

Material—Amount since purchased.....

20,796 40

Machinery and Tools—Amount charged for new tools and repairs .....

4,866 67

---

86,421 53

---

\$217,200 33

Chairs finished—Amount credited this account for chairs sold .....

\$181,076 49

Lumber—Amount credited for lumber sold .....

225 01

Material—Amount credited for material sold .....

504 62

Machinery and Tools—Amount credited for machinery sold .....

92 98

---

\$181,899 10

Property on hand December 31st, 1877:

Chairs finished .....	\$16,684 35
Chairs manufacturing .....	62,959 60
Lumber .....	29,487 29
Material .....	5,802 84
Machinery and Tools .....	24,220 71

---

139,104 79

---

271,008 89

Balance to the credit of chair account..... \$53,808 56

## CLOTHING DEPARTMENT.

Property on hand January 1st, 1877.....	\$1,886 80	
Amount charged this account for sewing machines and material purchased, and for services of foreman and instructors.....	18,846 88	\$20,683 68
Amount credited for goods sold.....	\$15,941 45	
Property on hand December 31st, 1877.....	6,614 98	
	<u>23,556 38</u>	
Balance to the credit of clothing department .....		\$1,872 70

## BOARD ACCOUNT.

Amount charged for board of prisoners from Wayne county .....	\$4,459 63	
Less 75 per cent of the amount as above credited to stock account, that being the approximate ratio of the county taxes for 1877 assessed upon the wards of the city .....	3,344 72	\$1,114 91
Received and charged for board of prisoners other than those from Wayne county .....	21,048 97	23,168 88
Amount received for interest .....		1,060 78
Total income .....		<u>\$78,900 87</u>

**EXPENDITURES.****GENERAL EXPENSE ACCOUNT.**

Property on hand January 1st, 1877.....	\$163 04	
Amount charged this account for salaries, lights, barn and other general expenses.....	20,257 31	
To library account.....	95 47	
		\$20,515 82
Amount credited this account.....	\$80 16	
Property on hand December 31st, 1877.....	257 42	
		337 58
Leaving for amount expended.....		\$20,178 24

**FURNITURE AND FIXTURES ACCOUNT.**

Property on hand January 1st, 1877.....	\$10,016 06	
Amount purchased since .....	1,618 69	
		\$11,639 74
Amount credited this account .....	\$493 50	
Property on hand December 31st, 1877.....	7,965 72	
		8,459 22
Leaving for amount expended.....		3,170 52

**CLOTHING AND BEDDING ACCOUNT.**

Property on hand January 1st, 1877.....	\$4,472 12	
Amount purchased since.....	5,216 08	
		\$9,688 20
Amount credited this account .....	\$576 67	
Property on hand December 31st, 1877.....	4,606 00	
		5,181 67
Leaving for amount expended.....		4,506 53

**PROVISION ACCOUNT.**

Property on hand January 1st, 1877.....	\$1,194 29	
Amount since purchased .....	28,241 87	
		\$29,436 16
Amount credited this account .....	\$213 47	
Property on hand December 31st, 1877.....	1,635 72	
		1,849 19
Leaving for amount expended.....		27,586 97

**FUEL ACCOUNT.**

Property on hand January 1st, 1877.....	\$280 02	
Amount since purchased .....	3,080 48	
		\$3,310 50
Property on hand December 31st, 1877.....	216 50	
Leaving for amount expended.....		3,094 00

# SUPERINTENDENT'S REPORT.

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## DISCHARGED PRISONERS' ACCOUNT.

Paid railroads for fares of discharged prisoners .....	\$1,441 98	
Gratuities to prisoners on their release, in sums from 25 cents to \$10 .....	1,081 59	
Amount expended .....		\$2,463 57

## REPAIRS ACCOUNT.

Total amount expended for general repairs .....	\$2,087 57	
Amount credited this account .....	11 08	
Leaving for amount expended .....		2,046 84

## SUSPENSE ACCOUNT.

Amount carried to this account .....	\$4,389 22	
Amount collected .....	916 80	
Balance of suspense account .....		3,443 02
Amount paid for insurance .....		1,951 25
Total expenditures .....		\$68,440 44



**RECAPITULATION.**

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**INCOME.**

Chair account.....	\$53,803 56	
Clothing department.....	1,872 70	
Board account.....	22,163 88	
Interest account.....	1,060 73	
	<hr/>	\$78,900 87

**EXPENDITURES.**

General expense account.....	\$20,178 24	
Furniture and fixtures account.....	3,170 52	
Clothing and bedding account.....	4,506 53	
Provision account.....	27,586 97	
Fuel account.....	3,094 00	
Discharged prisoners' account.....	2,463 57	
Repairs account.....	2,046 34	
Insurance account.....	1,951 25	
Suspense account.....	3,443 02	
	<hr/>	68,440 44
Amount gained to the institution.....		\$10,460 43

**INVENTORY OF PROPERTY.**

JANUARY 1, 1877.

Furniture and fixtures.....	\$10,016 05	
Clothing and bedding.....	4,472 12	
Provisions .....	1,194 29	
Barn.....	2,680 55	
Clothing department.....	1,896 80	
General expense.....	163 04	
Fuel .....	230 02	
Machinery and tools.....	26,944 61	
Material .....	7,542 55	
Lumber.....	22,035 97	
Chairs manufacturing.....	55,469 16	
Chairs finished .....	18,786 51	
		<u>\$151,821 07</u>

DECEMBER 31, 1877.

Furniture and fixtures.....	\$7,965 72	
Clothing and bedding.....	4,605 00	
Provisions .....	1,635 72	
Barn .....	2,640 40	
Clothing department .....	6,614 93	
General expense.....	257 42	
Fuel .....	216 50	
Machinery and tools.....	24,220 71	
Material .....	5,802 84	
Lumber.....	29,487 29	
Chairs manufacturing.....	62,959 60	
Chairs finished .....	16,684 85	
		<u>163,040 48</u>
Increase .....		<u>\$11,718 81</u>

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### COMPARATIVE STATEMENT OF CASH, DEBTS AND PROPERTY.

Cash on hand January 1st, 1877.....	\$6,463 68	
Cash on hand December 31st, 1877.....	18,084 86	
Increase.....		\$6,571 18
Accounts and bills receivable January 1st, 1877,	\$54,154 18	
Accounts and bills receivable, Dec. 31st, 1877..	55,224 56	
Increase.....		1,070 38
Property on hand January 1st, 1877 .....	\$151,821 87	
Property on hand December 31st, 1877.....	163,040 48	
Increase .....		11,718 81
		<u>\$19,360 37</u>
Debts January 1st, 1877.....	\$18,823 45	
Debts December 31st, 1877 .....	19,378 67	
Increase .....		\$5,555 22
Credited stock account and charged board account 75 per cent of the amount charged for board of prisoners from Wayne county during the year .....	3,344 72	
Actual gain .....	10,460 43	
		<u>\$19,360 37</u>

### SUMMARY.

Balance to the credit of stock account .....	\$211,921 23	
Accounts and bills payable.....	19,378 67	
		\$231,299 90
Inventory of property on hand .....	\$163,040 48	
Accounts and bills receivable.....	55,224 56	
Cash on hand December 31st, 1877.....	18,084 86	
		<u>231,299 90</u>

## BALANCE SHEET, DECEMBER 31, 1877.

	TRIAL BALANCE.		INVEN. TORY.	REPRESENTATIVE.		STOCK.		REAL.	
	Dr.	Cr.		Loss.	Gain.	Dr.	Cr.	Resources.	Liabilities.
Stock		\$301,460 80	\$7,965 72	\$3,170 52			\$301,460 80	\$7,965 72	\$311,921 28
Furniture and fixtures.	\$11,639 74	438 50	4,605 53	27,568 97				4,605 00	
Clothing and bedding.	9,698 30	576 67	1,635 72	1,038 17				1,635 72	
Provisions	23,436 16	213 47	2,640 40	2,463 57				2,640 40	
Barn	3,668 67			1,951 26					
Discharged prisoners	2,463 57								
Insurance.	1,951 26								
Interest.		1,060 73			\$1,060 73				
Expenses	4,859 22	976 30		3,443 02					
Board	3,944 72	35,508 60			22,168 88				
Repairs	2,057 37	11 03		2,046 34					
Library	279 08	363 56		85 47					
General expense	19,392 18	60 16		19,054 60					
Machinery and tools	21,811 25	82 96		7,497 59					
Lumber	38,580 37	225 01		28,568 07				34,230 71	357 42
Clothing department	30,683 68	15,941 45						29,457 29	
Material	28,338 95	504 62						6,614 93	
Fuel	3,310 50			22,031 49				5,808 84	
Overwork.	87 08			3,094 00				216 50	
Chairs manufacturing	55,466 16			87 09				62,859 60	
Chairs finished.	42,813 48				7,490 44			16,634 35	
Cash	12,624 48	131,076 49			104,797 36			12,624 48	
Accounts and bills receivable								55,234 56	
Accounts and bills payable		19,378 67							19,378 67
	\$397,883 94	\$397,883 94	\$163,040 48						
Gain carried to stock account				\$10,460 43			10,460 43		
				\$137,386 11	\$137,386 11				
Amount to the credit of stock account						\$311,921 28	\$311,921 28		
						\$311,921 28	\$311,921 28	\$331,269 90	\$331,269 90

## STATEMENT OF PRISONERS.

---

Number in prison January 1, 1877.....	696
Number received from January 1, 1877, to December 31, 1877, inclusive....	2,619
Whole number in prison during the year.....	3,315
Number released from January 1 to December 31, 1877, inclusive.....	2,500
Remaining in prison December 31, 1877:	
Males.....	675
Females.....	140
Total.....	815
	<hr style="width: 10%; margin-left: 100px;"/> 3,315

### WHOLE NUMBER DISCHARGED DURING THE YEAR.

Discharged by expiration of sentence.....	1,865
Procured bail.....	42
Pardoned.....	8
Payment of fine.....	475
On appeal.....	5
Order of court.....	57
Died.....	17
Escaped.....	6
Habeas corpus.....	20
Sent to pest house.....	1
Order of Inspectors.....	2
Transferred to asylum.....	2
Total.....	<hr style="width: 10%; margin-left: 100px;"/> 2,500

### NUMBER RECEIVED EACH MONTH.

	Males.	Females.	Total.
January.....	158	26	184
February.....	100	40	149
March.....	127	29	156
April.....	126	35	161
May.....	112	17	129
June.....	159	65	224
July.....	193	72	265

	Males.	Females.	Total
August.....	204	75	279
September.....	178	48	221
October.....	187	51	238
November.....	184	40	224
December.....	342	47	389
Totals.....	2,074	545	2,619

## NUMBER REMAINING AT THE END OF EACH MONTH.

	Males.	Females.	Total.
January.....	608	141	744
February.....	562	157	719
March.....	431	132	563
April.....	332	135	467
May.....	300	109	409
June.....	336	130	466
July.....	390	162	552
August.....	399	177	576
September.....	403	157	560
October.....	417	157	574
November.....	467	154	621
December.....	675	140	815

## MONTHLY AVERAGE IN PRISON DURING THE YEAR.

Males.....	442 $\frac{11}{11}$
Females.....	145 $\frac{11}{11}$
Total.....	588 $\frac{1}{2}$

BY WHOM OR FROM WHERE THOSE RECEIVED DURING THE YEAR  
WERE COMMITTED.

Central Station Court, City of Detroit.....	1,548
Police Court, City of Detroit.....	113
Recorder's Court, City of Detroit.....	47
Circuit Court, City of Detroit.....	5
United States Court, Michigan.....	3
United States Court, Nebraska.....	2
United States Court, Utah.....	3
United States Court, Mississippi.....	1
United States Court, Arkansas.....	27
United States Court, Dakota.....	5
Dakota Territory.....	40
Justices of the Peace, Wayne County.....	62
Allegan County.....	5

Alpena County.....	5
Antrim County.....	2
Barry County.....	6
Bay County.....	24
Branch County.....	19
Calhoun County.....	42
Cass County.....	21
Clinton County.....	6
Cheboygan County.....	1
Eaton County.....	28
Genesee County.....	54
Gratiot County.....	1
Houghton County.....	5
Hillsdale County.....	18
Ingham County.....	46
Ionia County.....	17
Isabella County.....	2
Jackson County.....	42
Kalamazoo County.....	41
Kent County.....	71
Lenawee County.....	44
Livingston County.....	7
Lapeer County.....	2
Mason County.....	3
Macomb County.....	5
Mecosta County.....	9
Midland County.....	6
Monroe County.....	14
Montcalm County.....	16
Muskegon County.....	5
Manistee County.....	2
Marquette County.....	9
Newaygo County.....	4
Otsego County.....	2
Oakland County.....	13
Ottawa County.....	7
Oceana County.....	1
Saginaw County.....	67
St. Clair County.....	20
St. Joseph County.....	11
Shiawassee County.....	8
Van Buren County.....	13
Washtenaw County.....	37

Wexford County .....	9
Transferred from State Prison.....	8
	<hr/> 2,619
Whole number received from City of Detroit.....	1,708
Elsewhere.....	916
	<hr/> 2,619
Total .....	2,619

## SENTENCES OF PRISONERS RECEIVED IN 1877.

Life.....	2
Twenty-five years.....	1
Fifteen years and six months.....	1
Fifteen years.....	1
Ten years and six months.....	1
Ten years.....	1
Eight years.....	1
Seven years.....	2
Six years and six months.....	1
Six years and four months.....	1
Six years.....	1
Five years.....	6
Four years and six months.....	1
Four years and four months.....	1
Four years.....	12
Three years and six months.....	1
Three years.....	11
Two years and six months.....	5
Two years and one month.....	1
Two years.....	19
One year and eight months.....	2
One year and six months.....	9
One year and five months.....	1
One year and four months.....	2
One year and three months.....	5
One year and two days.....	3
One year.....	58
Eleven months.....	2
Ten months.....	4
Nine months.....	18
Eight months.....	1
Seven months.....	2
Six months.....	39
Five months.....	8



Four months .....	9
Three months or ninety days .....	219
Two months or sixty days .....	106
One month or thirty days .....	29
Three hundred days .....	1
One hundred and eighty-one days .....	1
One hundred and eighty days .....	2
One hundred and twenty days .....	1
One hundred days .....	1
Ninety-five days .....	1
Eighty-five days .....	2
Eighty days .....	4
Seventy-five days .....	6
Seventy days .....	3
Sixty-eight days .....	1
Sixty-five days .....	56
Sixty-two days .....	1
Forty days .....	1
Twenty days .....	10
Fifteen days .....	1
Ten days .....	1
Six months or fine .....	26
From ninety days to six months or fine .....	622
From thirty days to ninety days or fine .....	845
From ten days to thirty days or fine .....	70
In default of bail .....	381
Total .....	2,619

## PREVIOUS OCCUPATION.

Auctioneer .....	1	Brassfinishers .....	2
Bakers .....	24	Cane-seaters .....	7
Barbers .....	44	Cabinetmakers .....	9
Bar-tenders .....	3	Cigarmakers .....	26
Boothblacks and newsboys ..	16	Carriagemakers .....	3
Boilermakers .....	19	Clerks .....	30
Book-keepers .....	18	Coopers .....	18
Bricklayers .....	20	Carpenters .....	68
Butchers .....	20	Cooks .....	29
Blacksmiths .....	26	Carvers .....	2
Brewers .....	6	Confectioners .....	7
Brickmakers .....	6	Coppersmith .....	1
Broom-makers .....	2	Chimney sweep .....	1

## SUPERINTENDENT'S REPORT.

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Chairmakers .....	2	Pavers.....	3
Commission merchant.....	1	Plumbers and gas-fitters.....	22
Carriage-trimmer .....	1	Plasterers .....	19
Carder.....	1	Puddlers.....	3
Caulker.....	1	Photographer.....	1
Druggists.....	4	Papermaker .....	1
Dyers .....	2	Pictureframe-maker.....	1
Dentist .....	1	Railroad men.....	21
Engineers.....	19	Roofers .....	3
Farmers .....	176	Ropemakers .....	3
Firemen .....	42	Saw-filer.....	1
Filemaker .....	1	Sailors .....	243
Gardeners.....	11	Servants and housekeepers..	522
Gunsmith.....	1	Seamstresses .....	8
Glassblowers .....	4	Shoemakers.....	37
Goldsmiths .....	2	Stonecutters .....	18
Gilder .....	1	Sawyer .....	1
Hostlers and teamsters.....	63	Saloonkeepers.....	9
Harnessmakers.....	8	Stovemounters .....	11
Hackdrivers .....	9	Surveyor .....	1
Hucksters .....	8	Silver-platers.....	3
Hatter.....	1	Saw-maker.....	1
Lawyers.....	2	Soapmaker.....	1
Lathers.....	11	Tinsmiths .....	6
Laborers.....	588	Tailors .....	11
Lithographer.....	1	Tanners .....	4
Masons .....	11	Telegraph operators.....	2
Machinists.....	27	Traveling agents.....	2
Miners.....	4	Turner .....	1
Moulders .....	27	Teachers.....	2
Millers.....	6	Trunkmaker .....	1
Musicians.....	3	Upholsterer .....	1
Marble-polisher .....	1	Umbrellamaker.....	1
Nail-cutter .....	1	Washerwomen .....	3
No occupation.....	47	Whitewashers .....	11
Oculists .....	3	Waiters and porters.....	21
Paper-hanger .....	1	Weavers .....	5
Painters.....	83	Wireworker.....	1
Peddlers .....	8	Whipmaker.....	1
Printers .....	21		
Physicians .....	6	Total .....	2,619

## NATIVITY.

Alabama .....	3	New Hampshire.....	2
Arkansas .....	2	Netherlands.....	1
Austria .....	3	North Carolina.....	7
Belgium .....	3	Nova Scotia.....	5
British America .....	1	New York.....	492
Canada .....	287	New Jersey.....	14
California .....	3	New Brunswick.....	3
Connecticut .....	15	Ohio.....	108
Denmark .....	5	Pennsylvania.....	101
District of Columbia .....	3	Poland .....	1
England.....	128	Prussia .....	4
France .....	10	Rhode Island.....	6
Florida .....	1	Russia.....	4
Germany .....	142	Sweden.....	7
Georgia .....	1	Switzerland .....	15
Holland.....	10	Scotland .....	55
Illinois .....	36	South Carolina .....	5
Indiana.....	28	South America.....	3
Iowa.....	2	Tennessee.....	4
Ireland.....	359	Texas .....	5
Italy.....	1	Utah .....	1
Indian Territory.....	8	Unknown .....	5
Kentucky.....	40	Vermont.....	13
Louisiana .....	8	Virginia .....	20
Michigan.....	504	West Virginia.....	4
Mississippi.....	5	Wisconsin .....	22
Maine .....	7	Wales .....	5
Maryland .....	20	Total .....	2,619
Massachusetts.....	54	Foreign born.....	1,060
Missouri .....	14	Native born.....	1,554
Minnesota .....	1	Unknown .....	5
Norway .....	2	Total .....	2,619
Newfoundland .....	6		

## CRIME OR OFFENSE.

Assault .....	11
Assault and battery.....	134
Assaulting an officer .....	1
Assault with a deadly weapon.....	1
Assault with intent to kill.....	12
Adultery .....	3
Arson.....	1

Attempt at burglary .....	1
Attempt at larceny .....	7
Aiding prisoners to escape .....	1
Breaking and entering post-office.....	2
Burglary.....	22
Bigamy.....	1
Conspiracy.....	2
Cruelty to animals.....	1
Drunkenness .....	501
Disorderly .....	588
Exposing a child under six years of age with intent to abandon...	1
Embezzlement .....	5
Escaping from House of Correction .....	1
Forgery .....	6
False Pretenses.....	2
Frequenting houses of ill-fame.....	3
Fraud .....	2
Illicit distilling.....	2
Indecent exposure.....	1
Indecent language.....	3
Keeping house of ill-fame.....	10
Keeping saloon open on Sunday.....	1
Larceny, simple .....	300
Larceny, grand.....	51
Larceny in the day time .....	3
Larceny from the person.....	3
Larceny from a dwelling.....	3
Lewd and lascivious cohabitation.....	4
Malicious trespass.....	1
Malicious injury .....	5
Murder .....	3
Manslaughter .....	9
Opening letters.....	1
Passing counterfeit money.....	1
Robbing U. S. mail.....	2
Receiving stolen goods.....	1
Refusing to support family.....	5
Rape.....	2
Robbery .....	4
Stealing letters from post-office.....	2
Smuggling .....	3
Threats .....	17
Unlawfully entering railroad cars.....	1

Vagrancy .....	868
Violation of city ordinances.....	4
Total .....	2,619

## SOCIAL RELATION.

Married and having children .....	451
Married and having no children .....	245
Unmarried and having both parents.....	707
Unmarried and having only one parent .....	549
Widows and widowers having children .....	115
No relation .....	552

Total .....	2,619
Living in family relation.....	696
Living out of family relation .....	1,923
Total .....	2,619

## EDUCATION.

Could read and write .....	1,970
Could read.....	229
Could neither read nor write .....	420
Total .....	2,619

## RELIGIOUS TRAINING.

Roman Catholics .....	1,219
Protestants.....	1,239
Israelites.....	5
Without religious training .....	156
Total .....	2,619

## AGE WHEN ADMITTED.

Under twenty years of age.....	436
From twenty to twenty-five years of age.....	682
From twenty-five to thirty years of age.....	527
From thirty to forty years of age .....	549
From forty to fifty years of age .....	270
Fifty years of age and over .....	155
Total .....	2,619

## HABITS OF LIFE.

Claim to be temperate .....	601
Admit themselves to be intemperate.....	2,018
Total .....	2,619

## COLOE.

White .....	2,874
Black .....	287
Indians .....	8
Total .....	<u>2,619</u>

## PREVIOUS CONVICTIONS.

Received for the first time .....	1,684
Recommitted once .....	442
Recommitted twice .....	144
Recommitted three times .....	90
Recommitted four times .....	80
Recommitted five times .....	40
Recommitted six times .....	39
Recommitted seven times .....	29
Recommitted eight times .....	23
Recommitted nine times .....	25
Recommitted ten times .....	19
Recommitted eleven times .....	10
Recommitted twelve times .....	11
Recommitted thirteen times .....	8
Recommitted fourteen times .....	8
Recommitted fifteen times .....	7
Recommitted sixteen times .....	2
Recommitted seventeen times .....	2
Recommitted twenty-one times .....	1
Recommitted twenty-two times .....	1
Recommitted twenty-three times .....	2
Recommitted twenty-five times .....	2
	<u>2,619</u>

First commitments .....  $62\frac{22}{100}$  per cent.

TABLE SHOWING THE LENGTH OF TIME THE INMATES WHO HAVE BEEN  
DISCHARGED DURING THE YEAR 1877 ACTUALLY REMAINED IN THE  
INSTITUTION.

Between six and seven years.....	4
Between three and four years.....	1
Between two and three years.....	6
Between one and two years.....	29
Between eight months and one year.....	99
Between six months and eight months.....	61
Between four months and six months.....	180
Between two months and four months.....	1,082
Between one month and two months.....	482
Less than one month.....	606
Total.....	2,500
Average time those discharged remained in confinement.....	80½ days.

TABLE

Showing the loss and gain in the weights of prisoners during their term of imprisonment under five classifications of sentences:

TIME IMPRISONED.	Number Weighed.	Increase.	Decrease.	Balance of Increase over Decrease.	Average Increase over Decrease.	Largest Single Increase.	Largest Single Decrease.
MALES.							
Less than 30 days.....	42	182	5	177	lbs. 4	12	2
From 30 to 90 days.....	681	3,783	402	3,381	4 3½	21	22
From 90 days to 6 months.....	542	3,662	368	3,294	4 15½	31	16
From 6 months to one year.....	156	832	322	510	6 1½	60	38
More than one year.....	7	35	15	20	8 4½	13	14
Total Males.....	1,428	8,494	1,112	7,382	2 13½	.....	.....
FEMALES.							
Less than 30 days.....	5	26	.....	26	lbs. 5	10	.....
From 30 to 90 days.....	139	821	55	766	5 8	24	7
From 90 days to 6 months.....	154	1,122	140	982	6 6	26	19
From 6 months to one year.....	52	383	44	339	6 8	26	10
More than one year.....	5	28	8	20	4	14	5
Total Females.....	355	2,380	247	2,133	6	.....	.....
Grand total.....	1,783	10,874	1359	9,515	.....	.....	.....



## Teacher's Report.

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*To the Inspectors of the House of Correction :*

GENTLEMEN—Having conducted the schools another year, I am pleased to submit this, my fifth annual report.

No changes of importance have seemed necessary, and we have about the same method as in other years.

I have also to report concerning the chapel services and library. For the year, the chapel services have been conducted by clergymen of our own and other cities, at 9 A. M. of each Sunday. The Sabbath services are conducted as each pastor chooses, always with singing, reading the scriptures, prayer and a sermon. These reverend gentlemen have done much to increase the interest of the prisoners in the important matters concerning which they teach. The fidelity and cheerfulness with which the services have been conducted deserves the thanks of all connected with the House, and of all interested in so good a work in this city. Singing is congregational.

### SCHOOL.

The school is conducted same as in years before, with more general interest and better results. The number of students is greater than in any previous year, and were not the students intent on learning, all could not stay in the room.

We have three sessions per week. Each evening recitations are heard in reading, spelling and arithmetic, confining the studies to the common English branches, except one class in algebra, composed of men who have been a long time in school and have gone through practical arithmetic and devoted some time to teaching. This class is now in "Equations of the Second Degree." The men seem to enjoy this study very much.

Writing is taught each evening for one hour. Beginners only are admitted to this class. The room is well adapted for this reci-

tation, and the men learn quickly to use the pen. I think there can be no doubt of the utility of this course.

The women's department is under the immediate care of Miss Rankin, the principal matron. I have been present at some sessions and find the same order to prevail as in the men's department, and the same methods of instruction, books and classification also are employed. This department fully maintains its previous good record.

#### AFTERNOON LECTURES.

Lectures have been given each Saturday afternoon. They are delivered on various topics by clergymen, lawyers, physicians, mechanics, musical and literary men, who give their services free. The audience shows its appreciation by listening attentively; indeed, the afternoon lecture is anticipated with pleasure, and the good accomplished by it cannot easily be estimated.

The ladies and gentlemen who favored us as above have the thanks of the audience, and have always been received with pleasure and heard with attention. The lectures have done good and have been the cause of increased industry in reading and study.

#### LIBRARY.

The library contains 1,090 volumes, exclusive of school books, and has been kept in good order. New books, to supply the greater demand, and to fill the place of books worn out in service, have been bought from time to time.

The library is made up of standard works, selected with reference to the good and advancement of the inmates, upon consultation of teachers and the approval of the superintendent. These books are distributed to the men each week Saturday, and are gathered on the following Friday for redistribution. I think the library not excelled by any prison library with which I am acquainted.

Respectfully,

C. C. YEMANS,

*Teacher.*

## Physician's Report.

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*To the Inspectors of the Detroit House of Correction :*

GENTLEMEN—I respectfully present this the sixteenth annual report of the sanitary condition of the Detroit House of Correction.

January 1st. Small-pox continued to appear notwithstanding the vigorous and patient effort made to prevent its spread among the prisoners. The small-pox wards were not closed until May, since which time the healthfulness of the prison has been very good. There were in all eighty-three cases of small-pox, eighty-one prisoners and two officers; of these eleven died, ten prisoners and one officer. When the wards were closed, all bedding furniture, utensils of all kinds were burned or buried; from the hospital all plaster was removed, the wards were disinfected, cleansed, replastered, repainted, the floors also, until they were considered free from infection.

The entire prison was then treated in the same manner. During the winter, since September, the hospitals have been taken for lodging for the old and infirm prisoners. A room has also been fitted up for 250 men in another part of the prison, all the cells being full.

There has been but little serious illness when we consider the crowded condition of the cells and rooms. The sanitary condition has been well looked after by the officers in charge of the several wards. The food has been of good quality, well cooked, and sufficient in quantity.

There have died this year, from all causes, eighteen (seventeen prisoners, one officer), as follows :

NAME.	AGE.	DISEASE.
Ellen Lyons.....	22	Small-pox.
Matthew Highbarger.....	68	" "
Richard Snay.....	37	" "
Orastus Dean.....	24	" "
James Crapo.....	16	" "
John F. Carey.....	20	" "
Henry Harper.....	17	" "
William Kilpatrick.....	46	" "
Allen Brown.....	18	" "
Jerry Green.....	30	" "
Allen Rambo.....	16	Intermittent Fever.
Gilbert Dickerson.....	27	Consumption.
Jennie Lee.....	37	Epilepsy.
John Burns.....	26	Suicide.
David Neely.....	61	Consumption.
Rose Evans.....	27	Consumption.
Levi Shafer.....	27	Septicemia.

RESUME.

Small-pox (one officer).....	11
Intermittent Fever.....	1
Consumption.....	3
Epilepsy.....	1
Suicide.....	1
Septicemia.....	1
Total.....	18

There were four confinements.

There were but few accidents in the shops and these were all injuries to the fingers. One amputation at the thigh, rendered necessary by wound received before prisoner was sent here.

The prison is uniformly clean, and the discipline good and kind.

I have to thank the officers for their promptness in rendering any aid required, and for personal kindness and care for the sick whenever needed.

I am, gentlemen,

Your obedient servant,

C. C. YEMANS, M. D.,

*Physician.*



FOURTH ANNUAL REPORT  
OF THE  
BOARD OF PUBLIC WORKS  
OF THE  
CITY OF DETROIT,  
SHOWING  
THE WORK DONE,  
AND  
EXPENDITURES FOR THE FISCAL YEAR ENDING JANUARY 31, 1878.

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DETROIT:  
THE FREE PRESS BOOK AND JOB PRINTING HOUSE.  
1878.



MEMBERS  
OF THE  
BOARD OF PUBLIC WORKS.

---

WILLIAM PURCELL.      ALEX. CHAPOTON.  
FREDERICK RUEHLE.

OFFICERS OF THE BOARD.

WILLIAM PURCELL, *President*.      HENRY D. LUDDEN, *City Engineer*.  
JOHN CAMPBELL, *Secretary*.





FOURTH ANNUAL REPORT  
OF THE  
BOARD OF PUBLIC WORKS  
OF THE  
CITY OF DETROIT.  
1877.

BOARD OF PUBLIC WORKS OFFICE. )  
DETROIT, February 19, 1878. }

*To the Honorable the Common Council:*

GENTLEMEN: The Board of Public Works have the honor herewith to submit their fourth annual report, showing the expenditures for the fiscal year ending January 31st, 1878, as required by the act establishing said Board.

The work of the Board during the past year has been confined principally to the building of sewers, paving and the customary improvements incident to a city with a population steadily increasing. In this population are many who seek labor for a livelihood, and the Board of Public Works having charge of all improvements are daily appealed to for work, but, its powers being limited to employing men to clean paved streets and working and grading mud streets, are unable to comply with the demand. All other work is let by contract, and consequently beyond the reach of the Board. In the distribution of labor during the past year the Board has endeavored to so apportion it as to

afford employment to all in need by changing the men alternately as necessity required.

The Board has felt much inconvenience in not being provided with means in time to proceed with the work at an early day. Under the present system the tax rolls are not delivered to the Receiver of Taxes until July, and nothing is realized therefrom until August, when the working season is half gone. To obviate this difficulty the time for collecting taxes should be so changed as to provide means at the commencement of the working season.

### Public Sewers.

During the year 1877 six miles and 5,258 feet of public sewers were constructed. It is believed that with the completion of these sewers the demand for extraordinary drainage has been fully met, and that hereafter the amount limited by the Charter will suffice to meet the expenditures in this department.

While constructing the McDougall avenue and Eighteenth street sewers, the city was compelled to resort to loans to raise a sufficient amount to complete the same, together with other sewers demanded by the public. The above sewers being completed, it is deemed advisable that no further loans be made.

Since the Board was organized there has been constructed twenty-five miles and 3,267 lineal feet of public sewers, which cost \$598,374.82, or an average of \$4.42½ per lineal foot. The appropriations in this department have been liberal, and, it is believed, been judiciously expended.

The total measurement of public sewers constructed from 1835 to 1874 was forty-three miles and twenty-one feet, and cost \$1,200,124.27, or an average of \$5.28½ per lineal foot. The total measurement of public sewers now constructed, including the above, is sixty-eight miles and 3,288 lineal feet, and cost \$1,798,499.09. In ascertaining the total number of miles and cost of sewerage, the Board, in some instances, has been compelled to approximate the same, for it is found that the records previous to 1874 are not over-reliable.

### Lateral Sewers.

Forty-one lateral sewers have been constructed during the past year, and measure four miles and seven hundred and sixty-six lineal feet. They cost \$11,856.97, exclusive of nominal charges for costs, etc., or an average of fifty-four cents per lineal foot. During the past four years the Board have constructed twenty-nine miles and six hundred feet, which cost \$122,312.91, or an average of about seventy-nine and a half cents per lineal foot.

The total measurement of lateral sewers constructed since 1855 is seventy-eight miles and 3,030 lineal feet, and cost \$450,323.51, or an average of about \$1.09 per lineal foot.

### Lateral Sewer Assessments.

In streets where public sewers are constructed owners of lots abutting thereon invariably apply for permission to connect their drains therewith. This permission is granted by the Board only on condition that the party so applying will waive all objections to the construction of lateral sewers and the payment of the assessment on his lot for the cost of the same.

Notwithstanding this condition, it is observed that many petition your honorable body for relief, representing that they derive no benefit therefrom, being connected with a public sewer. The cost of constructing public sewers is defrayed by general taxation, and, although premises connected therewith may derive no direct benefit from the construction of lateral sewers, it would not be doing justice to the owners of inside lots to exempt the former, and compel the latter to bear the burden of the expense.

For constructing public sewers the inside lots pay according to their valuation the same proportion that the outside lots do, and it is the opinion of the Board that no discrimination should be made in assessing lots for the cost of lateral sewers.

For a more full and complete statement relative to public and lateral sewers, reference is made to the report of the City Engineer.

## Receiving Basins.

Ninety-one stone receiving basins, two hundred and forty grates and one wood basin were constructed. In addition thereto seventeen patent traps were connected with sewers. The whole cost of which was \$4,885.50. These basins are placed in the streets to receive the rain water and the wash of the streets; they are trapped, and have a pit to receive the solid matter washed from the streets, the accumulations of which are removed once a year. In the Eastern District there are now 1,040 stone basins, ten wooden basins, three hundred and fifty-seven grates and seven patent traps; and in the Western District there are 1,267 stone basins, four hundred and twenty-four grates and fourteen patent traps, making a total of 3,119 receiving basins now in use, and are located in the following wards:

WESTERN DISTRICT.				EASTERN DISTRICT.				
WARDS.	Stone Basins.	Grates.	Patent Traps.	WARDS.	Stone Basins.	Grates.	Patent Traps.	Wood Basins.
First Ward .....	180	17	..	Third Ward.....	94	3	1	..
Second Ward ...	71	7	11	Fourth Ward....	84	14	..	..
Fifth Ward.....	339	79	3	Sixth Ward.....	244	66	4	..
Eighth Ward....	234	53	..	Seventh Ward...	175	35	2	..
Ninth Ward.....	390	118	..	Tenth Ward....	177	58	..	..
Twelfth Ward...	103	150	..	Eleventh Ward ..	179	86	..	2
				Thirteenth Ward	86	95	..	8
Total.....	1,267	424	14	Total.....	1,040	357	7	10

## Paving.

115,680 square yards of wood pavement and 23,145<sup>21</sup>/<sub>100</sub> square yards of stone pavement were laid in 1877, and measured in length six miles and two hundred and thirty-two lineal feet, and cost \$102,086.87,

or an average of about seventy-three and a half cents per square yard, or forty-seven cents per yard less than was paid in 1876. The total measurement of streets now paved and repaved is eighty-one miles and 4,756 feet, and cost two millions eight hundred and seventy-five thousand seven hundred and ninety-three dollars and twenty cents, or an average of about \$6.65 per lineal foot. Included in the above is thirteen miles and 4,688 feet of streets repaved.

The material used in paving during the past year was cedar blocks in the center and cobble stone on the sides. Owing to an injunction issued by the U. S. Circuit Court restraining the city from using the round blocks, the Board caused new specifications to be prepared substituting the split block therefor. These specifications were approved by the Common Council and the Board continued the work without further interruption. The long mooted question of royalty for laying the round block pavement is still pending in the U. S. Circuit Court, and a final decision is looked for with much interest.

The completion of the paving of Michigan avenue, west of Seventh street, and Congress street, east of St. Antoine street, was, on account of the scarcity of material, postponed until 1878, but is included in the above as having been completed. Bronson street was paved, but the work, not being in conformity with the specifications, was not accepted. The paving of Atwater street, owing to the lateness of the season, was postponed until 1878.

### Asphalt Pavement.

The President of the Board of Public Works, together with a special committee of the Common Council, visited Columbus, Ohio, for the purpose of examining Asphalt pavement laid in that city. They, on their return, having reported to your honorable body a detailed history of its durability, the Board deem it inexpedient to enter into the merits of the same at this time.

### Alleys Paved.

During the year three alleys were paved and one repaved, which measured  $936\frac{1}{10}$  lineal feet, or  $1,769\frac{22}{100}$  square yards, and cost

\$1,365.07, or an average of about seventy-seven cents per square yard, or thirty-six cents per square yard less than was paid in 1876.

In addition to the above, the Eastern and Western Hay Markets were paved with cobble stone pavement, which measured 5,423 square yards, and cost \$4,169.02, or an average of about seventy-seven cents per square yard, and is included in the street paving.

The total measurement of alleys now paved is eight miles and 3,019 lineal feet, and cost \$146,740.23, or an average of about \$3.39 per lineal foot.

### Repairing Paved Streets.

#### WOOD.

75,036 square yards of wood pavement were repaired the past year, and cost \$11,008.96, or an average of fourteen and three-quarters cents per square yard. Of this amount the Board of Water Commissioners paid \$2,530.80, and the Fire Commissioners \$65.95, thereby leaving \$8,412.21 expended by the city for this purpose.

### Stone Pavement.

The following table shows the number of square yards of stone pavement repaired and the cost of the same:

WARDS.	YARDS.	COST.
First Ward.....	2,585	\$266 17
Second Ward.....	3,640	382 20
Third Ward.....	3,214	337 47
Fourth Ward.....	2,676	281 48
Fifth Ward.....	1,990	208 95
Sixth Ward.....	1,717	180 28
Seventh Ward.....	3,290	345 45
Eighth Ward.....	516	54 18
Ninth Ward.....	56	5 88
Eleventh Ward.....	1,666	174 93
Over Sewers.....	1,487	156 13
Water Works.....	1,288	122 36
Fire Department.....	174	16 81
Total.....	24,249	\$2,532 29



### Cleaning Paved Streets.

This year, as heretofore, the paved streets were cleaned by persons employed by the day. By doing this work under the supervision of the Board and not by contract, the streets are cleaned as necessity may require, and not at fixed times as if under restrictions. In many large cities the machine sweeper is used, and as far as our knowledge extends gives general satisfaction. In the central or business portions of the city the Board are of the opinion that these machines could be used with advantage. By this means the paved streets might be cleaned every night, and the dirt removed without interfering with transit during business hours.

The following is a table showing the amount expended in the several wards for cleaning paved streets:

WESTERN DISTRICT.		EASTERN DISTRICT.	
WARDS.	AMOUNT.	WARDS.	AMOUNT.
First Ward .....	\$1,610 49	Second Ward.....	\$1,609 54
Fifth Ward.....	2,240 14	Third Ward .....	887 70
Eighth Ward .....	972 50	Fourth Ward .....	711 85
Ninth Ward .....	1,466 71	Sixth Ward.....	1,177 61
Twelfth Ward.....	562 53	Seventh Ward.....	812 60
		Tenth Ward .....	322 85
		Eleventh Ward.....	712 79
		Thirteenth Ward... ..	266 37
Total... ..	\$6,861 39	Total.....	\$6,501 31

## Parks.

In the East Grand Circus and Macomb Parks the walks were rearranged so as to connect the same with the sidewalks on streets leading thereto. They are thoroughly underdrained and add much to the appearance of the parks.

Fifty-nine trees of the following varieties were planted in the several parks: 3 Austrian Pine, 9 Norway Spruce, 1 American Arborvitæ, 40 Soft Maple, 4 White Elm and 2 European Linden. Except to keep the parks in proper order, no further improvements worthy of mentioning were made.

Two double public urinals were erected, to wit: one in the West Grand Circus Park and one in the Randolph Street Park. The urinals, in complete working order, cost \$717.61.

## Plank Sidewalks.

In the Western District 27,152 lineal feet of plank sidewalks was laid, of which 22,778 lineal feet was built by the owners of lots and 4,374 lineal feet by the contractors. In the Eastern District 26,943 lineal feet was built, of which the owners of lots constructed 26,722 lineal feet and the contractor 221 feet. In both districts ten miles and 1,295 feet has been constructed.

## Stone Sidewalks.

29,323 square feet of stone sidewalks was laid in the Western District, 27,085 square feet having been laid by owners of lots and 2,238 feet by the contractor. In the Eastern District 37,180 square feet was laid, of which 22,644 square feet was laid by the owners of lots and 14,536 square feet by the contractor. The approximate amount expended for constructing stone sidewalks the past year is \$13,300.60.

## Stone Crosswalks.

9,621 square feet of stone crosswalks was built in 1877, and cost \$5,195.29.

### Stone Intersection Walks.

16,526 square feet of stone intersection sidewalks was constructed, and cost \$3,470.43. In addition to the above \$1,920.48 was expended for building stone sidewalks in front of city property, making a total expenditure of \$5,390.91.

### Plank Crosswalks.

In the Eastern District 7,804½ lineal feet of plank crosswalks was constructed, and cost \$2,068.14. In the Western District 10,141½ lineal feet was constructed, and cost \$2,636.78. In addition to the above \$1,383.77 was expended for repairing crosswalks in the city, making the total expenditure for plank crosswalks \$6,088.69.

### Plank Intersection Sidewalks.

For repairing plank sidewalks in front of city property and building intersection sidewalks \$1,803.55 was expended.

The following is a table, showing the number of feet of plank intersection sidewalks constructed in the several wards; also, the cost of the same:

EASTERN DISTRICT.			WESTERN DISTRICT.		
WARDS.	FEET.	AMOUNT.	WARDS.	FEET.	AMOUNT.
Second Ward.....	45	\$13 34	First Ward.....	368	\$104 14
Third Ward.....	119½	35 43	Fifth Ward.....	1,109	328 98
Fourth Ward.....	142	42 10	Eighth Ward.....	282	83 61
Sixth Ward.....	484	143 55	Ninth Ward.....	694½	205 96
Seventh Ward.....	357	105 88	Twelfth Ward. ...	55	16 31
Tenth Ward.....	131	38 84			
Eleventh Ward....	478	141 77			
Thirteenth Ward ..	358½	106 32			
Total.....	2,115	\$627 23	Total.....	2,508½	\$743 95

## Culverts.

The amount expended for culverts was \$1,289.77, to wit: stone, \$504.07, and wood, \$785.70.

## Plank Culverts.

The following table shows the number of culverts constructed in each ward, and the number of feet, also the cost of the same:

EASTERN DISTRICT.				WESTERN DISTRICT.			
WARDS.	No.	Length Feet.	Cost.	WARDS.	No.	Length Feet.	Cost.
Sixth Ward.....	18	356	\$61 47	Fifth Ward.....	12	217	\$37 46
Seventh Ward...	2	58	10 03	Eighth Ward...	18	336	58 00
Tenth Ward.....	10	199	34 35	Ninth Ward.....	33	612	105 65
Eleventh Ward..	63	1,382	238 50	Twelfth Ward...	17	306	52 82
Thirteenth Ward	48	1,086	187 42				
Total.....	141	3,081	\$531 77	Total.....	80	1,471	\$253 93

## Notices Prepared and Delivered.

In the Eastern District three hundred and seventy-two lateral sewer and 1,029 sidewalk notices were delivered, and in the Western District three hundred and seventy-four lateral sewer and 1,100 sidewalk notices were delivered, making a total of 2,875 notices issued during the past year.

The following is a table, showing the amount expended in the several wards for grading and working unpaved streets :

EASTERN DISTRICT.		WESTERN DISTRICT.	
WARDS.	AMOUNT.	WARDS.	AMOUNT.
Fourth Ward.....	\$13 50	Fifth Ward.....	\$953 30
Sixth Ward.....	946 10	Eighth Ward.....	1,139 95
Seventh Ward.....	225 28	Ninth Ward.....	2,275 82
Tenth Ward.....	2,077 84	Twelfth Ward.....	1,288 75
Eleventh Ward.....	1,370 80		
Thirteenth Ward.....	1,867 45		
Total.....	\$6,500 97	Total.....	\$5,657 82

### Permits for Occupying Streets with Building Material.

The Board issued one hundred and ninety-one permits for occupying streets with building material, of which one hundred and forty-seven were for brick and forty-four for wood buildings. According to the estimates given by the contractors, the brick buildings were to cost \$600,975, and the wood buildings \$46,400. The above does not include all buildings built in the city, for many small buildings have been erected, of which no account has been rendered.

### Lamp Posts.

The whole number of iron lamp posts now in use is 1,780, twenty-seven having been erected the past year.

During the past year the city has caused to be erected two hundred and forty eight wooden lamp posts, which cost \$236.40.

### Sewer Connections.

Four hundred and sixty-nine permits for making connections with sewers were issued in 1877, for which \$469 was received, and deposited with the City Treasurer.

### Receipts.

The following amount was received by the Board during the year 1877, and deposited with the City Treasurer :

For repairing wood pavement .....	\$2,760 65	
For repairing stone pavement .....	124 50	
		<hr/>
		\$2,885 15
For sewer connections.....		469 00
For scrap iron .....		119 46
For water lime and empty barrels.....		5 50
For hauling dirt.....		20 00
From street railways.....		380 00
		<hr/>
Total.....		<u>\$3,879 11</u>

### Hotels.

The Board of Public Works, together with the Fire Marshal and Committee on Fire Limits, under the act known as Act No. 182 of the Session Laws of 1877, examined the several hotels in the city with a view to ascertain the facilities for escape in case of fire. In most instances it was found that the facilities afforded were not satisfactory, and for the better protection of life, it was recommended that more or less improvements be made in each of the hotels. These recommendations having been concurred in by your honorable body, the hotel proprietors have been notified, as required by law, to comply with the same.

### Public Improvement Fund.

Your attention is again called to the practice of diverting the funds raised for public improvements to other purposes, to wit : in equalizing a paving or sewer assessment, it has been the custom to pay the amount refunded out of the general road or general sewer fund, as the case may be.

The charter provides that the moneys belonging to the several funds shall be applied to the purposes for which said funds are respectively

constituted. In the abatement of assessments, the Board is at a loss to know why the funds raised for public improvements are required to meet the delinquency any more than the sinking or interest funds. The funds are raised for specific purposes, and should not be diverted therefrom. Illegal taxes or exorbitant assessments are matters with which the public improvement funds have no relation, and should be paid out of the contingent fund, which is intended to defray all claims possible, but not certain ; or, in other words, all claims unprovided for specifically.

It will be seen by comparing the statements of the Board with that of the Controller, the statement of the Controller shows a greater expenditure in the general road fund than that of the Board. To account for this discrepancy in the accounts, the Board shows the actual expenditures, while the Controller, on the other hand, shows nominal charges in addition to the actual expenditures made. In preparing estimates for paving, etc., the City Engineer estimates the cost for advertising and Inspectors, which is collected, and to balance the assessment roll a warrant is drawn therefor, which is not only charged, but also credited to the fund, thereby making one entry offset the other in the aggregate.

In the road district funds, the Controller shows that \$45,058.77 was expended, when the actual expenditure was but \$26,910.45. This difference is owing to charging to the several road funds temporary loans made to supply cash deficiencies while collecting taxes.

The appropriations made for public improvements during the past four years have been liberal, and with a view to the best interests of the city, have, it is believed, been judiciously expended.

In the outskirts of the city the march of improvement is manifest ; streets that were inundated with water have been drained and regraded, and now form the best of roadways ; localities which were impregnated with disease, for the want of suitable drainage, have become healthy and desirable for residences ; and paving, which cost extravagant prices in former years, has been reduced to such a rate as to be within the reach of all.

It is now four years since the Board of Public Works was established, during which time three changes have been made among the members thereof, Messrs. King, Wight and Mitchell retiring therefrom.

## STATEMENT,

Showing the Length and Cost of Public and Lateral Sewers built from 1835 to 1877, inclusive.

	PUBLIC SEWERS.		LATERAL SEWERS.		LATERAL SEWERS.		PUBLIC SEWERS.		TOTAL COST.
	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Cost.	Cost.	
Total number of miles built from 1835 to 1874.....	43	21	.....	.....	.....	.....	\$1,200,124 27	\$1,200,124 27	
Total number of miles built from 1835 to 1874.....	.....	.....	49	2,430	\$328,010 60	.....	.....	328,010 60	
Total length of public sewers built in 1874..	4	1,329	.....	.....	.....	.....	156,099 21	156,099 21	
Total length of lateral sewers built in 1874.....	.....	.....	7	5,036	45,813 94	.....	.....	45,813 94	
Total length of public sewers built in 1875.....	6	2,806	.....	.....	.....	.....	191,948 17	191,948 17	
Total length of lateral sewers built in 1875.....	.....	.....	8	3,255	37,742 89	.....	.....	37,742 89	
Total length of public sewers built in 1876.....	7	4,494	.....	.....	.....	.....	147,808 27	147,808 27	
Total length of lateral sewers built in 1876.....	.....	.....	8	2,103	26,899 11	.....	.....	26,899 11	
Total length of public sewers built in 1877.....	6	5,258	.....	.....	.....	.....	101,699 75	101,699 75	
Total length of lateral sewers built in 1877.....	.....	.....	4	766	11,856 97	.....	.....	11,856 97	
	68	3,288	78	3,030	\$450,323 51	.....	\$1,797,679 67	\$2,248,008 18	



## COMPARATIVE STATEMENT,

Showing the Amounts Expended in the Years 1874, 1875, 1876 and 1877.

FUNDS.	1874.	1875.	1876.	1877.
General Fund. ....	\$17,206 22	\$14,970 98	\$16,862 31	\$12,925 15
Public Sewer Fund. ....	157,267 76	192,903 86	147,808 27	101,699 75
General Sewer Fund. ....	17,378 16	18,102 50	15,841 00	15,865 44
Public Building Fund..	3,694 58	5,611 52	6,550 65	1,645 47
Park Improvement Fund	3,509 83	3,368 21	6,024 08	2,666 24
General Road Fund. ....	93,518 01	95,799 85	73,789 21	63,868 97
Paving Streets and Alleys	168,937 00	229,844 59	144,572 23	76,443 50
Lateral Sewers. ....	45,813 94	37,742 89	26,899 11	11,856 97
ROAD DISTRICT FUNDS.				
First Ward. ....	2,667 85	2,051 33	1,585 53	1,679 42
Second Ward. ....	3,101 84	2,278 75	1,304 99	1,710 40
Third Ward. ....	1,800 26	1,673 72	1,051 09	1,122 59
Fourth Ward. ....	1,666 94	1,354 54	1,554 84	816 61
Fifth Ward. ....	5,120 71	4,098 65	2,919 84	3,252 14
Sixth Ward. ....	8,077 61	5,489 94	5,002 39	2,203 54
Seventh Ward. ....	3,565 39	1,538 44	1,352 80	1,301 51
Eighth Ward. ....	4,744 87	1,812 89	1,979 22	2,159 89
Ninth Ward. ....	7,419 99	5,512 70	5,337 51	3,805 34
Tenth Ward. ....	6,956 84	5,163 13	5,840 52	2,718 49
Eleventh Ward. ....				2,145 96
Twelfth Ward. ....	4,787 39	2,627 35	2,809 45	1,865 74
Thirteenth Ward. ....				2,133 82
Total. ....	\$556,875 19	\$631,945 84	\$468,585 13	\$313,881 94

The following is a Table showing the whole Amount Expended in the Several Wards for the years 1873, 1874, 1875, 1876 and 1877.

WARDS.	1873.	1874.	1875.	1876.	1877.
First Ward.....	\$2,946 71	\$1,390 37	\$2,051 53	\$1,585 53	\$1,679 43
Second Ward .....	3,575 06	2,258 37	2,278 75	1,904 99	1,710 40
Third Ward.....	2,390 00	1,541 18	1,673 72	1,058 06	1,122 59
Fourth Ward.. .....	2,567 04	1,556 87	1,354 54	1,554 84	816 61
Fifth Ward.....	5,843 95	4,257 36	4,098 65	2,919 94	3,252 14
Sixth Ward.....	6,898 56	7,328 92	5,489 94	4,995 42	2,203 54
Seventh Ward... ..	2,737 10	2,906 47	1,538 44	1,352 80	1,301 51
Eighth Ward.....	4,783 26	3,885 05	1,812 89	1,979 22	2,159 89
Ninth Ward .....	10,581 25	6,457 04	5,512 70	5,337 51	3,805 34
Tenth Ward.... ..	7,471 25	6,279 36	5,163 13	5,840 52	2,713 49
Eleventh Ward.....					2,145 96
Twelfth Ward.....		4,134 05	2,627 38	2,809 45	1,865 74
Thirteenth Ward....					2,133 82
Total.....	\$49,744 18	\$41,995 04	\$33,601 47	\$30,738 28	\$26,910 45

## STATEMENT,

Showing Cash and Appropriation Balances, January 31st, 1878.

## PUBLIC SEWER FUND.

Appropriation Balances  
by Controller's Books.

Cash Cr. Balance.....	\$2,438 81		
Uncollected Tax, 1875.....	8,910 75		
1876.....	2,398 32	Note.....	\$6,000 00
1877.....	<u>8,768 45</u>		
			\$17,506 88

## GENERAL SEWER FUND.

Cash Cr. Balance.....	\$7,877 61		
Uncollected Tax, 1875.....	778 64		
1876.....	865 29		
1877.....	<u>5,096 88</u>		
			\$14,118 42

## PUBLIC BUILDING FUND.

Cash Cr. Balance.....	\$1,868 54		
Uncollected Tax, 1875.....	184 20		
1876.....	179 50		
1877.....	<u>526 22</u>		
			\$2,758 46

## GENERAL ROAD FUND.

Cash Cr. Balance.....	\$13,296 83		
Uncollected Tax, 1875.....	5,338 18		
1876.....	2,991 78		
1877.....	<u>12,628 86</u>		
			\$33,895 60

## ROAD DISTRICT No. 1.

Uncollected Tax, 1875.....	\$89 11		
1876.....	91 45		
1877.....	<u>117 67</u>		
		\$298 23	
Less Dr. Cash Balance,	<u>5 37</u>		
			\$292 86

## ROAD DISTRICT No. 2.

Appropriation Balances  
by Controller's Books.

Cr. Cash Balance.....	\$351 04
Uncollected Tax, 1875.....	48 28
1876.....	26 46
1877.....	19 00
	<hr/>

\$444 78

## ROAD DISTRICT No. 3.

Cr. Cash Balance.....	\$286 70
Uncollected Tax, 1875.....	198 67
1876.....	146 20
1877.....	42 98
	<hr/>

\$674 55

## ROAD DISTRICT No. 4.

Cr. Cash Balance.....	\$409 31
Uncollected Tax, 1875.....	108 78
1876 .....	58 21
1877.....	133 51
	<hr/>

\$704 76

## ROAD DISTRICT No. 5.

Cr. Cash Balance.....	\$860 47	
Uncollected Tax, 1875.....	158 49	
1876.....	88 27	Note.... \$1,000 00
1877.....	352 10	
	<hr/>	

\$1,454 38

## ROAD DISTRICT No. 6.

Cr. Cash Balance.....	\$1,145 95	
Uncollected Tax, 1875.....	238 85	
1876.....	171 77	Note.... \$1,000 00
1877.....	372 43	
	<hr/>	

\$1,929 00

## ROAD DISTRICT No. 7.

Cr. Cash Balance.....	\$126 17
Uncollected Tax, 1875.....	90 70
1876.....	53 47
1877.....	80 58
	<hr/>

\$350 92

## ROAD DISTRICT No. 8.

Appropriation Balances  
by Controller's Books.

Cr. Cash Balance.....	\$554 51		
Uncollected Tax, 1875.....	121 68		
1876.....	108 88	Note.....	\$800 00
1877.....	<u>690 79</u>		
			\$1,475 86

## ROAD DISTRICT No. 9.

Cr. Cash Balance.....	\$647 62		
Uncollected Tax, 1875.....	294 14		
1876.....	425 05	Note ...	\$1,000 00
1877.....	<u>974 20</u>		
			\$2,841 01

## ROAD DISTRICT No. 10.

Cr. Cash Balance.....	\$579 24		
Uncollected Tax, 1875.....	352 69		
1876.....	531 64	Note... ..	\$1,800 00
1877.....	<u>1,115 17</u>		
			\$2,578 74

## ROAD DISTRICT No. 11.

Cr. Cash Balance.....	\$32 50		
Uncollected Tax, 1877.....	<u>800 54</u>		
			\$833 04

## ROAD DISTRICT No. 12.

Cr. Cash Balance.....	\$452 41		
Uncollected Tax, 1875.....	81 26		
1876.....	101 57		
1877.....	<u>595 01</u>		
			\$1,230 25

## ROAD DISTRICT No. 13.

Cr. Cash Balance....	\$99 00		
Uncollected Tax, 1877.....	<u>747 80</u>		
			\$846 80

## STATEMENT,

Showing the Amount Appropriated, the Amount Expended, and the Balance of Appropriation Unexpended during the fiscal year 1877.

FUNDS.	Appropriat'n	Expended.	Balance of Appropriat'n. Unexpended.
Public Sewer Fund Bal., 1877, \$20,893 78			
Appropriation... 50,000 00			
Bonds issued.... 40,000 00			
Avails of Sewer Bonds issued in 1873..... 2,500 00			
	\$113,893 78	\$101,699 75	\$11,694 08
Public Building Fund Balance, \$1,337 78			
Appropriation... 3,000 00			
	4,337 78	1,645 47	2,692 33
Park Improvement Fund.....		2,666 24	
General Road Fund Balance.. \$21,748 82			
Appropriation... 70,000 00			
	91,748 82	61,758 01	29,990 81
GENERAL FUND.			
General Sewer Fund Balance.. \$8,243 30		15,865 44	
ROAD DISTRICT FUNDS.			
First Ward, Balance..... 730 13			
Appropriation... 1,200 00			
	1,930 13	1,679 42	250 71
Second Ward, Balance..... 1,085 36			
Appropriation... 1,000 00			
	2,085 36	1,710 40	374 96
Third Ward, Balance..... 684 59			
Appropriation... 1,100 00			
	1,784 59	1,122 59	662 00
Fourth Ward, Balance..... \$286 51			
Appropriation... 1,200 00			
	1,486 51	816 61	669 90
Fifth Ward, Balance..... \$110 23			
Appropriation... 3,500 00			
	3,610 23	3,252 14	358 09
Sixth Ward, Appropriation less Balance..	2,764 11	2,203 54	560 57
Seventh Ward, Balance..... \$312 85			
Appropriation... 1,300 00			
	1,612 35	1,301 51	310 84
Eighth Ward, Appropriation less Balance.	2,673 48	2,159 89	513 59
Ninth Ward, Appropriation less Balance.	4,832 66	3,805 34	1,027 32
Tenth Ward, Appropriation less Balance.	3,186 03	2,713 49	472 54
Eleventh Ward, Appropriation.....	3,000 00	2,145 96	854 04
Twelfth Ward, Balance..... \$35 43			
Appropriation... 3,000 00			
	3,035 43	1,865 74	1,169 69
Thirteenth Ward, Appropriation.....	3,000 00	2,133 82	866 18

In conclusion, the Board would express its thanks to the members of your honorable body, and officials connected with the City Government, for the many courtesies extended both personally and officially.

Respectfully submitted,

WM. PURCELL,  
ALEX. CHAPOTON,  
F. RUEHLE,

*Board of Public Works.*

## ENGINEER'S REPORT.

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*To the Honorable Board of Public Works of the City of Detroit:*

GENTLEMEN—I have the honor to submit the annual report of the work in the Engineer department for the year 1877.

### Sewerage.

The aggregate length of public or main sewers constructed the past year is greater than in any previous year, except in 1876.

The total length of the public sewers in the city at the close of the year 1876 was  $61\frac{227}{1000}$  miles; there has been added during the past year  $6\frac{226}{1000}$  miles, making a total of  $68\frac{453}{1000}$  miles.

By the completion of the intercepting sewer, that portion of the city lying between Eighteenth street and McDougall avenue is divided into two districts, the lower district discharging by numerous outlets directly into the river; and the upper district through the intercepting sewer by two outlets, one at Seventeen-and-a-half street and one at Joseph Campau avenue.

The principal main sewers in the lower district have all been completed to their northern termini, except the sewers in Fourteenth avenue, Trumbull avenue, and Chene street. At the time the older sewers were built in the lower district, no general or comprehensive plan was adopted in their construction; each sewer was built to drain some particular locality, without regard to the probable increase of the growth of the city. The consequence is that some sewers were found deficient in capacity; in others the grades were defective; while a few were so shallow that cellars of ordinary depth could not be drained



into them. During the past four years several of these sewers have been repaired or rebuilt.

The past season the sewers in Rivard, Fort, Locust, Park, John R and Congress streets have been built at a cost of \$26,200, to remedy the defects above mentioned.

The Rivard street sewer, from Franklin to Fort street, was rebuilt entire, and connected with a branch sewer through Fort street, thus furnishing Russell street sewer with an additional outlet for the discharge of storm water, which has in the past occasioned much damage and inconvenience.

The sewer in Locust street, from Fifth street to Trumbull avenue, is designed to relieve the sewer in Fourth street, which has been found incapable of carrying off the waters of excessive storms.

The new sewers in Park street and John R street, connecting with the Griswold street sewer, were much needed in this part of the city, the old sewers being so shallow as to be of little use except to carry off surface water.

The sewer in Congress street, a very necessary improvement, was built much deeper than the old sewer, and will afford ample drainage for the many fine business blocks in this locality.

The efficiency of the sewers in this district would have been greatly increased had the grades of the streets, near the river, been established from two to four feet higher than at present, thus affording an opportunity for building an intercepting sewer near the river, and providing for the drainage of cellars of reasonable depth for buildings located on Atwater, Franklin and other streets.

No inconsiderable amount is expended from year to year in repairing and rebuilding the wooden outlets through which the sewers in the lower district discharge into the river.

- The sewers in Hastings, St. Antoine, Beaubien and Brush streets, which pass through the grounds and under the tracks of the D. & M. R. R., which are constantly occupied with cars or passing trains, renders it very difficult to repair or rebuild the outlets in this locality. The outlet of the St. Antoine street sewer is now in need of being rebuilt.

I would recommend that a sewer be built in Woodbridge street, from St. Antoine street, terminating in an outlet at the foot of Randolph

street, of sufficient capacity to discharge the contents of all sewers between these points.

The cost of this sewer will probably not vary much from \$17,000, at last year's prices. It will be a permanent improvement, and will do away with the maintenance of two outlets, and will have the advantage of being located in a public street at all times accessible.

The intercepting sewer, which is designed to drain the upper portion of the city, north of Fremont street, was commenced in the year 1873, under the direction of the Sewer Commissioners; it has been carried steadily forward since that time and was completed the past season.

This sewer commences at its westerly terminus at the river, at the foot of Seventeenth-and-a-half street, and runs thence in the most direct course northerly to a point nearly opposite Fremont street, if extended thence on the most direct route to Cass avenue.

The easterly portion commences on the river, at the foot of Joseph Campau avenue; thence northerly to Wight street; thence easterly to McDougall avenue; thence northerly to Fremont street; thence westerly to John R street, being a total distance of  $6\frac{11}{16}$  miles.

Although the construction of this sewer has involved a large outlay, owing to its size and the depth at which it is laid, it is a matter of congratulation that it has been carried on at a time when labor and material have been so cheap as to effect a very large saving in cost.

The branch sewers, which extend northerly from the intercepting sewer, have been pushed forward as fast as the wants of the district demand, and but a short time will elapse before the northern portion of the city will be amply provided with sewerage.

The following Table shows the average cost of some of the different sizes of sewers, according to the prices of 1877.

SIZE, IN INCHES.	Average Depth, in Feet.	Thickness of Ring, in Inches.	Contractor's Price, per Foot.	Water Lime and Inspector, per Foot.	TOTAL.
21x28	13.53	4	.582	.120	.702
24x32	14.07	4	.740	.124	.864
30x40	17.90	5	1.435	.217	1.652
36x48	17.12	8	2.340	.440	2.780
42x56	20.64	8	2.324	.365	2.689
45x60	Tunnel.	8	2.730	.606	3.336
54x72	Tunnel.	8	3.670	.697	4.367
60 Cylinder	17.59	8	3.853	.553	4.406
68x84	Tunnel.	8	4.447	.652	5.099
72x96	19.58	8	3.810	.701	4.511

An average of all the sewers built the past season shows that :

1 Barrel water lime laid 411 brick.

2,111 Barrels, at 74 cents, \$1.80, laid 1,000 brick.

Superintendence, 52 cents per 1,000 brick.

### Receiving Basins.

There has been built the past year ninety-one stone receiving basins, two hundred and forty untrapped receivers and seventeen trapped receivers provided with patent traps.

The total number of receivers in the city at present is :

2,807 Stone basins, with water traps.

781 Untrapped receivers.

21 Receivers provided with patent traps.

There being no ordinance regulating the width that streets shall be paved, it has been the custom heretofore to locate the basins by guess, care being taken to have them far enough from the center of the street; consequently, when the street is paved the basins are usually found from one to four feet back of the curbs, causing considerable expense for removal, or, if left, presenting a very unsightly appearance. The plan now adopted is not to locate stone receivers in streets in advance of the paving, unless the width of paving is established; when not established, the receivers used are made by simply carrying the pipe from the sewer to the surface of the ground and covering it with an iron grate; no traps being used, except in thickly settled localities.

### Lateral Sewers.

There were forty-one lateral sewers built during the past year, aggregating 21,886 feet in length, at a total cost of \$12,535.19, including inspection and cost.

The lateral sewers were all built of brick, egg-shape, 660 feet being 18x24 inches, and 21,245 feet 15x20 inches internal diameter.

The total length of lateral sewers built up to the close of the year 1876 was  $74\frac{422}{1000}$  miles; adding  $4\frac{145}{1000}$  miles built in 1877, makes the total length to date  $78\frac{574}{1000}$  miles.

The length of lateral sewers built the past year is considerably less than for the four years previous, and is accounted for by the stringency of the times, as this class of sewer is paid for by special assessment, and only ordered by petition of the property owners, or as a necessary sanitary measure.

The total length of sewers, public and lateral, up to the close of the year 1877, is  $147\frac{187}{1000}$  miles.

### Paved Streets.

The total length of streets paved and repaved the past year is  $6\frac{446}{1000}$  miles; of this length,  $3\frac{341}{1000}$  miles were newly paved, and  $2\frac{708}{1000}$  miles repaved. 17,863 lineal feet was paved with wood entire, and 13,586 lineal feet with wood center and cobble stone gutters, and 465 feet with cobble stone. All the wood pavement laid was white cedar blocks on sand foundation. The following statement shows the quantity of

material used on paved streets the past year, not including the unfinished portion of Congress street:

Excavation.....	29,894 cubic yards.
Wood pavement.....	111,858 square yards.
Stone pavement....	16,160 square yards.
New Curb Stone.....	43,763 lineal feet.
Old Curb Stone, reset.....	16,191 lineal feet.
New Crosswalk Stone .....	11,529 square feet.
Old Crosswalk Stone, relaid.....	8,532 square feet.

The total length of paved streets in the city is  $68\frac{48}{100}$  miles, classified as follows:

Wood.....	50 $\frac{13}{100}$ miles.
Cobble Stone.....	7 $\frac{13}{100}$ miles.
Lime Stone .....	10.00 miles.
Medina Stone.....	$\frac{78}{100}$ miles.
Asphalt.....	$\frac{40}{100}$ miles.
Total.....	68 $\frac{48}{100}$ miles.

The wood pavements consist of pine and white cedar. The following statement shows the different patents which have been laid in the city, and the length of each, at the present time:

#### PINE PAVEMENTS.

Nicholson.....	10.00 miles.
McGonegal.....	2.75 miles.
Wycoff.....	4.75 miles.
Ballard .....	1.10 miles.
Bushnell.....	.70 miles.
Stowe Foundation.....	1.74 miles.
Chicago Free.....	.55 miles.
Gilbert.....	.43 miles.
Defoe.....	.05 miles.
Total Pine Pavement .....	22 $\frac{17}{100}$ miles.

#### WHITE CEDAR PAVEMENTS.

Stowe Foundation....	4.00 miles.
Cedar Blocks.....	9.90 miles.
Cedar, with stone gutters.....	11.80 miles.
Flannigan.....	2.08 miles.
Wycoff.....	.43 miles.
Defoe .....	.05 miles.
Total White Cedar Pavement.....	28 $\frac{26}{100}$ miles.

The following is a Tabular Statement of the Streets Paved in 1877, the Length and Cost per Square Yard Complete, including Excavation, Curbstone, Crosswalk, Stone, &c.

Street.	Location.	Kind.	Length, in feet.	Sq. yds. in- walk & cross- stone.	Approximate cost per sq. yd.	Total cost
Warren avenue.....	From Woodward avenue to John R street.....	Cedar block.....	682	1,685	\$ 16	\$1,850 64
West Park place.....	From State street to Grand River avenue.....	Cedar block.....	419	1,221	1 05	1,284 75
Duffield street.....	From Park street to Cass avenue.....	Cedar block.....	561	1,495	1 08	1,584 56
Griswold street.....	From Grand River avenue to Clifford street.....	Cedar block and cobblestone.....	338	1,126	1 134	1,278 79
Abbott street.....	From Michigan avenue to Fifth street.....	Cedar block and cobblestone.....	1,498	4,666	1 134	4,941 11
Orleans street.....	From Gratiot avenue to Jay street.....	Cedar block and cobblestone.....	339	937	1 22	1,141 67
Lewis street.....	From Cass avenue to Fourth street.....	Cedar block and cobblestone.....	1,386	3,733	1 06	3,965 01
Charlotte avenue.....	From Cass avenue to Third avenue.....	Cedar block and cobblestone.....	1,284	3,945	1 044	4,173 94
Brush street.....	From Lafayette street to Clinton street.....	Cedar block and cobblestone.....	735	2,119	1 19	2,534 25
Griswold street.....	From Fort st. to Michigan avenue, repaved.....	Cedar block.....	341	2,016	32	643 21
Woodward avenue.....	From a point 1,000 feet N. of Holden road to D. & B. C. R. R.....	Cedar block.....	1,236	6,611	914	6,076 41
Maple street.....	From Russell street to St. Aubin avenue.....	Cedar block and cobblestone.....	1,912	5,522	1 184	6,191 91
Parsons street.....	From Woodward to Cass avenue.....	Cedar block and cobblestone.....	853	2,713	92	2,516 16
Campbell street.....	From Woodward to Cass avenue.....	Cedar block and cobblestone.....	856	2,964	964	2,571 73
Fort street.....	From Griswold to Fifth street, repaved.....	Cedar block.....	2,568	12,152	67	8,194 16
Michigan avenue.....	From Woodward avenue to west line Forsyth farm, repaved.....	Cedar block.....	3,887	23,439	68	15,983 07
Bates street.....	From Jefferson ave. to Atwater st., repaved.....	Cedar block.....	445	1,332	46	780 03
Pt. of Campus Martius.....	From Woodward to Monroe avenue, repaved.....	Cedar block.....	162	1,331	33	423 51
Columbia street.....	From John R. to Brush street.....	Cedar block.....	463	1,385	1 08	1,443 57
Monroe avenue.....	From Woodward ave. to Randolph st., repaved.....	Cedar block.....	2,011	7,597	93	7,049 45
Second avenue.....	From Baggs street to Alexandrine avenue.....	Cedar block.....	2,337	9,406	96	9,045 31
Jefferson avenue.....	From Cass to Second street, repaved.....	Cedar block.....	820	4,086	35	1,664 39
Congress street.....	From Randolph to Rivard street (not finished), repaved.....	Cedar block.....	1,352	2,419	.....	.....
Congress street.....	From Woodward avenue to Randolph street, repaved.....	Cedar block and cobblestone.....	692	2,429	49	1,185 08
Randolph street.....	From Fort to Croghan street, repaved.....	Cedar block.....	724	2,104	59	1,475 82
Randolph street.....	From Croghan street to Gratiot ave., repaved.....	Cedar block.....	375	1,256	43	558 18
Randolph street.....	From Jefferson avenue to Fort street, repaved.....	Cedar block.....	830	5,075	35	1,768 95
Woodward avenue.....	From Williams and Park streets to Adams avenue, repaved.....	Cedar block.....	477	3,262	424	1,382 95
Macomb street.....	From St. Antoine to Russell street.....	Cedar block and cobblestone.....	1,749	5,441	91	4,986 16
Michigan avenue.....	From Forsyth farm line to seventh st., repaved.....	Cedar block.....	706	3,040	53	1,615 25
Bronson street.....	From Russell to Hopelle street.....	Cobblestone.....	464	1,238	90	1,104 61

## Alleys Paved.

The total length of paved alleys at the close of the year 1876 was  $7\frac{767}{1000}$  miles.

There has been three public alleys and one private alley paved the past year, and one public alley repaved, as shown by the following table:

LOCATION.	MATERIAL.	Length in Feet.	Cubic Yards Excavation.	Square Yards, including Curbwalk.	COST.
Between Labrosse street and Michigan avenue, from Fifth to Labrosse street..	Cobble Stone.	216.43	101	289.00	\$315 30
Between Jay street, Gratiot avenue, Orleans and Dequindre streets.....	"	321.88	372	715.00	718 90
Between Farmer street and Michigan Grand avenue, west of Bates street....	"	192.78	335	428.26	390 69
Between Larned street and Jefferson avenue, from Griswold to Larned street....	"	205.00	...	383.66	169 18
Between Fort and Lafayette streets, east of Third street (private).....	"	162.00	176	360.33	.....
		1,098.09	984	2,178.25	

The actual length of public alleys paved last season was  $1\frac{22}{1000}$  miles, making the total length, at the close of 1877,  $8\frac{571}{1000}$  miles. A portion of the Hay Markets of the Eastern and Western Districts were paved with cobble stone, at a cost of \$1,441.44 for the Eastern and \$2,727.58 for the Western District.

## Alleys Graded.

Eight alleys were graded, aggregating 3,195 feet in length, and causing the removal of 1,789 cubic yards of excavation.

## Streets Worked.

Line and grade was given for eight streets worked the past year.

No street was graded by contract, except a small part of German street.

### Streets Opened.

There being no street opening law in operation, there has been no streets opened by jury the past year.

The new law goes into effect the coming year, which will materially increase the duties of this office.

### Grades.

No grades were established, except on the streets that were paved and worked.

### Sidewalks.

There were fifty-six special assessments made for the construction of 4,714 lineal feet of plank sidewalks, and seven assessments for the construction of four hundred and seventy-six lineal feet of stone sidewalks. Within the stone sidewalk district there is at the present time approximately 95,587 lineal feet of stone, 7,712 lineal feet of concrete, and eight hundred and eighteen lineal feet of brick sidewalks in front of property. By adding ten per cent to the above for stone intersection walks, we have a total of  $21\frac{24}{100}$  miles of double sidewalk other than plank within the above limits, or  $42\frac{48}{100}$  miles of single walk.

### Crosswalks and Intersection Walks.

There was laid by the city contractor 9,621 square feet of Medina stone crosswalks and 16,527 square feet of new stone intersection walks.

7,805 lineal feet of plank crosswalks was laid in the Eastern District and 10,141 lineal feet in the Western District.

### Lateral Sewer Assessments.

Fifty-three special assessments relating to the construction of lateral sewers were submitted during the year.



## Records.

The books of plats of public and lateral sewers constructed during the past four years, showing the maps, profiles and sections, are now nearly complete.

A book of street and alley openings, showing all streets and alleys opened by jury, with accompanying plats, has been compiled, and is nearly finished.

A book containing maps, profiles and grades of all paved alleys in the city has also been completed since the last report.

My thanks are due to the members of this department for the faithful manner in which they have discharged the duties assigned them.

Respectfully submitted,

H. D. LUDDEN,

*City Engineer.*

## DISTRICT ROAD FUNDS.

## ROAD DISTRICT No. 1.

Date.	No. of Voucher.	Description.	Amount.
1877.			
Jan. 27	1	Pay-roll Laborers, spreading ashes, etc.....	\$18 25
	2	Pay-roll Laborers, carting snow from streets....	31 50
Feb. 3	3	Pay-roll Laborers, opening ditches.....	14 30
	10	Pay-roll Laborers, opening ditches and cleaning crossings.....	5 25
March 2	5	Pay-roll Laborers, opening ditches.....	4 00
	17	Pay-roll Laborers, opening ditches.....	5 90
	31	Pay-roll Laborers, opening ditches.....	15 10
April 7	8	Pay-roll Laborers, opening ditches.....	80
	21	Pay-roll Laborers, cleaning streets.....	125 95
	28	M. McLaughlin, hauling dirt.....	141 81
	11	Pay-roll Laborers, cleaning streets.....	12 40
May 5	12	Pay-roll Laborers, cleaning streets.....	7 50
	12	Pay-roll Laborers, cleaning streets.....	11 50
	19	Pay-roll Laborers, cleaning streets.....	8 00
	15	M. McLaughlin, hauling dirt.....	25 28
	26	Pay-roll Laborers, cleaning streets....	14 00
June 9	17	Pay-roll Laborers, cleaning streets.....	40 70
	16	Pay-roll Laborers, cleaning streets.....	61 90
	25	Pay-roll Laborers, cleaning streets.....	82 00
	30	Pay-roll Laborers, repairing pavement in alley..	14 45
July 31	21	George W. Hough, brooms.....	5 00
	28	Pay-roll Laborers, cleaning streets.....	143 25
Aug. 25	23	Pay-roll Laborers, cleaning streets.....	152 50
Sept. 3	24	Pay-roll Laborers, cleaning streets.....	76 00
	10	Pay-roll Laborers, repairing pavement in alley..	9 38
	29	Pay-roll Laborers, cleaning streets.....	15 50
Oct. 19	27	Pay-roll Laborers, cleaning streets.....	108 50
Nov. 24	28	Pay-roll Laborers, cleaning streets.....	104 45

Date.	No. of Voucher.	Description.	Amount.
Dec. 1	29	Pay-roll Laborers, cleaning streets.....	\$141 30
24	30	Pay-roll Laborers, cleaning streets.....	110 30
28	31	Pay-roll Laborers, cleaning streets.....	151 70
1878.			
Jan. 5	32	Pay-roll Laborers, cleaning streets.....	15 80
7	33	Pay-roll Laborers, cleaning crossings.....	10 00
19	34	Pay-roll Laborers, cleaning crossings.....	5 20
			<u>\$1,679 42</u>

## ROAD DISTRICT No. 2.

1877.			
Jan. 27	1	Pay-roll Laborers, cleaning snow from streets..	\$133 60
	2	Pay-roll Laborers, spreading ashes, etc.....	22 80
Feb. 3	3	Pay-roll Laborers, opening ditches.....	8 80
	4	Pay-roll Laborers, hauling snow.....	6 75
10	5	Pay-roll Laborers, opening ditches and cleaning crossings.....	18 05
17	6	Pay-roll Laborers, opening ditches.....	11 20
March 2	7	Pay-roll Laborers, opening ditches and hauling dirt.....	9 48
17	8	Pay-roll Laborers, cleaning crosswalks.....	11 24
31	9	Pay-roll Laborers, opening gutters. ....	32 72
	10	Pay-roll Laborers, cutting gutters.....	3 50
April 7	11	Pay-roll Laborers, opening gutters.....	3 90
14	12	Pay-roll Laborers, opening gutters.....	1 18
21	13	Pay-roll Laborers, cleaning streets.....	93 46
28	14	Louis Schreck, hauling dirt.....	96 75
	15	Foley & Moran, hauling dirt... ..	6 55
	16	Pay-roll Laborers, cleaning streets.....	39 52
May 5	17	Pay-roll Laborers, repairing stone pavement in alleys.....	9 63
26	18	Pay-roll Laborers, cleaning streets.....	76 38
June 2	19	Pay-roll Laborers, cleaning streets.....	16 38
9	20	Pay-roll Laborers, cleaning streets.....	59 50
	21	Coulson & Morhous, street brooms.....	3 00
16	22	Pay-roll Laborers, cleaning street.....	46 50
30	23	Pay-roll Laborers, cleaning streets.....	25 63
July 7	24	Pay-roll Laborers, cleaning streets.....	22 25
14	25	Pay-roll Laborers, cleaning streets.....	38 88
23	26	Pay-roll Laborers, cleaning streets.....	5 63
Aug. 4	27	Pay-roll Laborers, cleaning streets.....	29 38

Date.	No. of Voucher.	Description.	Amount.
Aug. 4	28	Coulson & Morhous, brooms.....	\$2 00
	11	29 Pay-roll Laborers, cleaning streets.....	70 75
		30 Pay-roll Laborers, repairing paved alleys.....	9 38
	18	81 Pay-roll Laborers, cleaning streets.....	64 88
Sept. 3	32	Pay-roll Laborers, cleaning streets.....	66 25
		33 George W. Hough, street brooms .....	1 00
	10	34 Pay-roll Laborers, cleaning streets.....	21 75
	15	35 Pay-roll Laborers, cleaning streets.....	11 50
	22	36 Pay-roll Laborers, cleaning streets.....	42 75
	29	37 Pay-roll Laborers, cleaning streets.....	16 75
Oct. 6	38	Pay-roll Laborers, cleaning streets.....	8 50
	13	39 Pay-roll Laborers, cleaning streets.....	19 00
	19	40 Pay-roll Laborers, cleaning streets.....	68 60
		41 Pay-roll Laborers, repairing paved alleys.....	14 06
	27	42 Pay-roll Laborers, cleaning streets.....	104 50
		43 W. S. Penfield, scythe, etc.....	2 95
Nov. 10	44	Pay-roll Laborers, cleaning streets. ....	26 15
	19	45 Pay-roll Laborers.....	80 65
		46 Pay-roll Laborers, repairing paved alley.....	8 74
	24	47 Pay-roll Laborers, cleaning streets.....	23 00
Dec. 1	48	Pay-roll Laborers, cleaning streets.....	20 95
	8	49 Pay-roll Laborers, cleaning streets.....	32 45
	24	50 Pay-roll Laborers, cleaning streets.....	62 25
	29	51 Pay-roll Laborers, cleaning streets.....	84 08
1878			
Jan. 14	52	Pay-roll Laborers, cleaning crossings.....	2 80
	19	53 Pay-roll Laborers, cleaning crossings.....	12 10
			<u>\$1,710 40</u>

## ROAD DISTRICT No. 3.

1877.			
Jan. 27	1	Pay-roll Laborers, spreading ashes on streets...	\$3 25
	2	Pay-roll Laborers, cleaning snow from streets..	18 03
Feb. 3	3	Pay-roll Laborers, opening ditches.....	3 80
March 2	4	Pay-roll Laborers, opening ditches.....	1 30
	31	5 Pay-roll Laborers, opening ditches.....	5 06
April 7	6	Pay-roll Laborers, opening ditches.....	1 58
	21	7 Pay-roll Laborers, cleaning streets.....	36 94
	28	8 Louis De Broux, Inspector, hauling dirt.....	4 50
		9 Louis Schreck, hauling dirt.....	57 75
		10 Pay-roll Laborers, cleaning streets.....	71 94

Date.	No. of Voucher.	Description.	Amount.
May	5	11 Louis Schreck, hauling dirt.....	\$6 00
	26	12 Louis Schreck, grading alley.....	62 75
		18 Louis Schreck, grading alley.....	51 25
		14 Pay-roll Laborers, cleaning streets.....	24 38
June	2	15 Pay-roll Laborers, cleaning streets.....	12 38
	25	16 Pay-roll Laborers, cleaning streets.....	9 50
	30	17 Pay-roll Laborers, cleaning streets.....	10 25
July	7	18 Pay-roll Laborers, cleaning streets.....	27 38
	14	19 Pay-roll Laborers, cleaning streets.....	27 88
		20 Foley & Moran, grading alleys.....	111 51
Aug.	4	21 Pay-roll Laborers, cleaning streets.....	37 63
	11	22 Pay-roll Laborers, cleaning streets.....	50 70
	18	23 Pay-roll Laborers, cleaning streets.....	12 13
	25	24 Pay-roll Laborers, cleaning streets.....	94 00
		25 Pay-roll Laborers, repairing pavement in alleys,	9 38
Sept.	3	26 Pay-roll Laborers, cleaning streets.....	16 75
	10	27 Pay-roll Laborers, cleaning streets.....	22 00
	29	28 Pay-roll Laborers, cleaning streets.....	8 50
Oct.	19	29 Pay-roll Laborers, cleaning streets.....	54 55
	27	30 Pay-roll Laborers, cleaning streets.....	74 00
Nov.	3	31 Pay-roll Laborers, cleaning streets.....	32 80
	19	32 Pay-roll Laborers, cleaning streets.....	19 25
	24	33 Pay-roll Laborers, cleaning streets.....	8 00
Dec.	1	34 Pay-roll Laborers, cleaning streets.....	10 00
		35 Pay-roll Laborers, cleaning streets.....	29 00
	8	36 Pay-roll Laborers, cleaning streets.....	10 65
	17	37 Pay-roll Laborers, cleaning streets.....	4 65
	24	38 Pay-roll Laborers, cleaning streets.....	9 30
	29	39 Pay-roll Laborers, cleaning streets.....	25 82
1878.			
Jan.	7	40 Pay-roll Laborers, cleaning streets.....	21 65
		41 Pay-roll Laborers, cleaning streets.....	24 40
			<u>\$1,123 59</u>

## ROAD DISTRICT No. 4.

1877.			
Feb.	3	1 Pay-roll Laborers, opening ditches.....	\$ 90
March	2	2 Pay-roll Laborers, opening ditches.....	1 20
April	28	3 Louis De Broux, Inspector, hauling dirt.....	1 50
		4 Louis Schreck, hauling dirt.....	12 10

Date.	No. of Voucher.	Description.	Amount.
April 4	5	Pay-roll Laborers, cleaning streets. ....	\$17 45
May 5	6	Pay-roll Laborers, cleaning streets. ....	98 85
	7	Louis Schreck, hauling dirt. ....	54 45
	8	Pay-roll Laborers, cleaning streets. ....	46 50
June 25	9	Pay-roll Laborers, cleaning streets. ....	25 38
	30	Pay-roll Laborers, cleaning streets. ....	5 13
July 23	11	Pay-roll Laborers, cleaning streets. ....	39 38
	28	Pay-roll Laborers, cleaning streets. ....	7 63
Aug. 4	13	Pay-roll Laborers, cleaning streets. ....	31 75
	11	Pay-roll Laborers, cleaning streets. ....	48 00
	18	Pay-roll Laborers, cleaning streets. ....	55 25
	25	Pay-roll Laborers, cleaning streets. ....	56 00
Sept. 8	17	Pay-roll Laborers, grading streets. ....	13 50
	10	Pay-roll Laborers, cleaning streets. ....	5 13
	29	Pay-roll Laborers, grading alleys. ....	91 26
Oct. 13	20	Pay-roll Laborers, cleaning streets. ....	23 00
Nov. 8	21	Pay-roll Laborers, cleaning streets. ....	27 00
	19	Pay-roll Laborers, cleaning streets. ....	33 70
	24	Pay-roll Laborers, cleaning streets. ....	40 75
Dec. 8	24	Pay-roll Laborers, cleaning streets. ....	21 35
	17	Pay-roll Laborers, cleaning streets. ....	18 65
	26	Pay-roll Laborers, cleaning streets. ....	4 95
	29	Pay-roll Laborers, cleaning streets. ....	32 90
1878.			
Jan. 19	28	Pay-roll Laborers, cleaning crossings. ....	7 95
			<u>\$816 61</u>

## ROAD DISTRICT No. 5.

1877.			
Jan. 27	1	Pay-roll Laborers, cleaning snow from streets. .	\$8 10
	2	Pay-roll Laborers, spreading ashes. ....	8 10
Feb. 3	3	Pay-roll Laborers, opening ditches. ....	8 00
	10	Pay-roll Laborers, opening ditches and cleaning crosswalks. ....	7 25
March 2	5	Pay-roll Laborers, opening ditches and cleaning crosswalks. ....	2 00
	7	Pay-roll Laborers, filling up over public sewers,	4 25
	31	Pay-roll Laborers, opening gutters. ....	11 30
April 7	8	Pay-roll Laborers, opening gutters. ....	2 70
	14	Pay-roll Laborers, hauling dirt. ....	2 00

Date.	No. of Voucher.	Description.	Amount.
April 28	10	C. Kaiser & Co., hauling dirt .....	\$94 50
	11	Pay-roll Laborers, cleaning streets .....	142 49
May 5	12	James French, Inspector, hauling dirt.....	3 25
	13	C. Kaiser & Co., hauling dirt .....	53 25
	12	14 J. B. Wilson, repairing land roller.....	2 94
	15	Pay-roll Laborers, cleaning streets.....	46 75
	19	16 Pay-roll Laborers, cleaning streets.....	148 35
	26	17 Pay-roll Laborers, grading streets.....	157 70
June 2	18	Pay-roll Laborers, grading streets.....	181 25
	16	19 Pay-roll Laborers, cleaning streets .....	89 75
		20 Foley & Moran, hauling dirt.....	31 25
	30	21 Pay-roll Laborers, cleaning streets.....	48 40
July 14	22	Pay-roll Laborers, cleaning streets .....	23 25
		23 Pay-roll Laborers, grading streets....	81 00
	23	24 Pay-roll Laborers, grading streets.....	137 20
		25 Pay-roll Laborers, cleaning streets.....	145 50
		26 W. S. Penfield, plow....	4 50
Aug. 4	27	Pay-roll Laborers, cleaning streets.....	45 00
	11	28 Pay-roll Laborers, cleaning streets.....	115 00
Sept. 3	29	Pay-roll Laborers, cleaning streets.....	114 00
	22	30 Pay-roll Laborers, cleaning streets.....	148 25
		31 Pay-roll Laborers, repairing pavement in alley.	9 38
Oct. 13	32	Pay-roll Laborers, grading streets.....	94 00
	19	33 Pay-roll Laborers, grading streets.....	176 90
		34 Pay-roll Laborers, grading streets.....	31 50
		35 Pay-roll Laborers, repairing paved alleys.....	28 13
	27	36 Pay-roll Laborers, grading streets....	89 50
Nov. 3	37	Pay-roll Laborers, repairing paved alley.....	9 38
	10	38 Pay-roll Laborers, cleaning streets.....	79 90
	19	39 Pay-roll Laborers, cleaning streets.....	314 60
		40 Pay-roll Laborers, repairing paved alley.....	4 37
	24	41 Pay-roll Laborers, cleaning streets.....	113 10
Dec. 8	42	Pay-roll Laborers, cleaning streets.....	169 75
	17	43 Pay-roll Laborers, cleaning streets.....	94 70
	24	44 Pay-roll Laborers, cleaning streets .....	27 65
	29	45 Pay-roll Laborers, cleaning streets.....	123 05
1878.			
Jan. 7	46	Pay-roll Laborers, hauling dirt.....	14 05
	19	47 Pay-roll Laborers, cleaning crossings....	4 90
			<u>\$3,252 14</u>

## ROAD DISTRICT No. 6.

Date.	No. of Voucher.	Description.	Amount.
1877.			
Jan. 27	1	Pay-roll Laborers, cleaning snow from streets..	\$16 40
Feb. 8	2	Pay-roll Laborers, opening ditches.....	7 00
10	3	Pay-roll Laborers, opening ditches.....	2 30
March 2	4	Pay-roll Laborers, opening ditches.....	1 30
31	5	Pay-roll Laborers, opening gutters.....	2 76
April 21	6	Pay-roll Laborers, cleaning streets.....	47 63
28	7	C. Kaiser & Co., hauling dirt.....	41 65
	8	Pay-roll Laborers, cleaning streets.....	12 05
May 5	9	Pay-roll Laborers, cleaning streets.....	79 55
	10	Pay-roll Laborers, repairing paved alleys.....	9 62
12	11	Pay roll Laborers, cleaning streets.....	15 50
	12	C. Kaiser & Co., hauling dirt.....	50 47
19	18	Pay-roll Laborers, repairing pavement in alley.	4 19
June 9	14	Pay-roll Laborers, cleaning and grading streets, \$29.50 and \$18.50.....	48 00
	15	Eugene Robinson & Co., extra grading St. Anto- line street in 1874.....	62 37
25	16	Pay-roll Laborers, grading streets.....	167 15
July 7	17	Pay-roll Laborers.....	181 90
23	18	Pay-roll Laborers, grading and cleaning streets,	193 70
Aug. 4	19	Pay-roll Laborers, grading streets.....	210 10
18	20	Pay-roll Laborers, grading and cleaning streets,	188 50
Sept. 3	21	Pay-roll Laborers, cleaning streets.....	72 95
15	22	Pay-roll Laborers, grading and cleaning streets,	139 25
29	23	Pay-roll Laborers, grading streets.....	83 00
Oct. 13	24	Pay-roll Laborers, grading and cleaning streets,	75 00
27	25	Pay-roll Laborers, cleaning streets.....	110 40
Nov. 10	26	Pay-roll Laborers, cleaning streets.....	81 30
24	27	Pay-roll Laborers, cleaning streets.....	287 40
Dec. 1	28	Pay-roll Laborers, grading and cleaning streets,	40 30
29	29	Pay-roll Laborers, cleaning streets.....	15 75
	30	Pay-roll Laborers, repairing paved alleys.....	3 65
1878.			
Jan. 19	31	Pay-roll Laborers, cleaning crossings.....	2 40
			<u>\$2,203 54</u>



## ROAD DISTRICT No. 7.

Date.	No. of Voucher.	Description.	Amount.
1877.			
Feb. 17	1	Pay-roll Laborers, opening ditches .....	\$1 00
April 28	2	Louis De Broux, Inspector, hauling dirt.....	1 50
	3	Louis Schreck, hauling dirt.....	12 54
	4	Pay-roll Laborers, cleaning streets.....	20 93
May 5	5	Pay-roll Laborers, cleaning streets.....	125 75
	6	Louis Schreck, hauling dirt.....	30 69
	12	Pay-roll Laborers, cleaning streets.....	127 50
	19	Pay-roll Laborers, grading streets.....	65 75
	9	Louis Schreck, hauling dirt.....	15 64
June 2	10	Pay-roll Laborers, cleaning streets.....	16 50
	25	Pay-roll Laborers, cleaning streets.....	14 88
	30	Pay-roll Laborers, cleaning streets.....	10 25
July 7	13	Pay-roll Laborers, cleaning streets.....	5 63
	23	Pay-roll Laborers, cleaning streets.....	20 50
	28	Pay-roll Laborers, cleaning streets.....	78 38
	16	Foley & Moran, excavating in alley.....	192 53
Aug. 4	17	Foley & Moran, grading alley.....	32 75
	18	Pay-roll Laborers, cleaning streets.....	101 00
	11	Pay-roll Laborers, grading streets.....	56 50
	18	Pay-roll Laborers, grading streets.....	23 00
	25	Pay-roll Laborers, grading streets.....	43 00
Sept. 3	22	Pay-roll Laborers, grading streets.....	11 00
	10	Pay-roll Laborers, cleaning streets.....	19 88
Oct. 6	24	Pay-roll Laborers, grading streets.....	64 38
	13	Pay-roll Laborers, cleaning streets.....	21 13
Nov. 3	26	Pay-roll Laborers, cleaning streets.....	58 00
	19	Pay-roll Laborers, cleaning streets.....	30 40
	24	Pay-roll Laborers, cleaning streets.....	33 50
Dec. 8	29	Pay-roll Laborers, cleaning streets.....	23 35
	17	Pay-roll Laborers, cleaning streets.....	24 65
	29	Pay-roll Laborers, cleaning streets.....	19 30
			<u>\$1,301 51</u>

## ROAD DISTRICT No. 8.

Date.	No. of Voucher.	Description.	Amount.
1877.			
Feb. 3	1	Pay-roll Laborers, opening ditches.....	\$3 00
10	2	Pay-roll Laborers, opening ditches.....	4 00
17	3	Pay-roll Laborers, opening ditches.....	5 50
Mar. 31	4	Pay-roll Laborers, opening ditches.....	2 60
April 28	5	Foley & Moran, hauling dirt.....	44 82
	6	Pay-roll Laborers, cleaning streets.....	53 60
May 12	7	Pay-roll Laborers, cleaning streets.....	25 50
	8	J. B. Wilson, repairing land-roller.....	2 94
	9	Foley & Moran, hauling dirt... ..	17 28
June 9	10	Pay-roll Laborers, grading streets.....	187 50
16	11	Pay-roll Laborers, grading and cleaning streets,	86 35
	12	Pay-roll Laborers, grading and cleaning streets,	58 30
25	13	Pay-roll Laborers, grading streets.....	168 45
30	14	Pay-roll Laborers, grading streets.....	114 90
July 23	15	W. S. Penfield, plow.... ..	4 50
Aug. 4	16	Pay-roll Laborers, cleaning streets.....	59 50
25	17	Pay-roll Laborers, cleaning streets.....	35 50
Sept. 10	18	Pay-roll Laborers, cleaning streets.....	143 75
15	19	Pay-roll Laborers, cleaning streets... ..	134 25
29	20	Pay-roll Laborers, grading streets.....	124 50
	21	M. McLaughlin, extra cleaning streets, 1874....	40 00
Oct. 6	22	Pay-roll Laborers, grading streets.....	208 70
	23	Pay-roll Laborers, grading streets.... ..	128 75
13	24	Pay-roll Laborers, grading streets.....	117 50
27	25	Pay-roll Laborers, cleaning streets.....	103 50
Dec. 8	26	Pay-roll Laborers, grading streets.....	11 00
17	27	Pay-roll Laborers, cleaning streets.....	80 30
	28	Pay-roll Laborers, cleaning streets.....	65 80
24	29	Pay-roll Laborers, cleaning streets.....	113 20
29	30	Pay-roll Laborers, cleaning streets.....	49 40
			<u>\$2,159 89</u>

## ROAD DISTRICT No. 9.

Date.	No. of Voucher.	Description.	Amount.
1877.			
Feb. 3	1	Pay-roll Laborers, opening ditches.....	\$1 50
	2	Pay-roll Laborers, leveling dirt, Howard street,	22 50
	10	Pay-roll Laborers, leveling dirt, Howard street,	3 50
	17	Pay-roll Laborers, leveling dirt, Howard street,	3 75
March 2	5	Pay-roll Laborers, opening gutters, etc.....	3 50
	7	Pay-roll Laborers, filling up over public sewers,	3 50
	31	Pay-roll Laborers, opening gutters.....	11 40
April 7	8	Pay-roll Laborers, opening gutters.....	3 00
	28	Foley & Moran, hauling dirt.....	2 30
	10	Pay-roll Laborers, cleaning streets.....	65 10
May 7	11	M. McLaughlin, hauling dirt.....	52 21
	12	J. B. Wilson, repairing land roller.....	2 93
	13	Pay-roll Laborers, cleaning streets.....	169 50
	19	Pay-roll Laborers, grading streets.....	60 00
	15	M. McLaughlin, hauling dirt.....	44 85
	26	Pay-roll Laborers, grading streets.....	192 20
June 2	17	Pay-roll Laborers, grading streets.....	210 00
	9	Pay-roll Laborers, grading streets.....	166 20
	16	Pay-roll Laborers, cleaning streets.....	53 85
July 7	20	Pay-roll Laborers, grading streets.....	133 50
	14	Pay-roll Laborers, grading streets.....	87 00
	22	Pay-roll Laborers, cleaning streets.....	65 25
	21	W. S. Penfield, plow points.....	2 40
	25	W. S. Penfield, plow.....	4 50
Aug. 4	26	Pay-roll Laborers, cleaning streets.....	34 75
	11	Pay-roll Laborers, cleaning streets.....	26 50
	28	Pay-roll Laborers, grading streets.....	214 80
	29	James Riley, bolts, etc.....	8 00
	18	Pay-roll Laborers, grading streets....	130 00
	31	Pay-roll Laborers, grading and cleaning streets,	125 40
	25	Whalen & Coughlan, hauling dirt.....	5 37
	33	Pay-roll Laborers, dumping and leveling earth,	19 00
	34	Pay-roll Laborers, cleaning and grading.....	167 50
Sept. 3	35	Pay-roll Laborers, cleaning and grading streets,	190 50
	36	George W. Hough, street brooms.....	2 50
	10	Pay-roll Laborers, cleaning streets.....	93 75
	15	Pay-roll Laborers, grading streets.....	26 25
	22	Pay-roll Laborers, grading streets.....	207 20

Date.	No. of Voucher.	Description.	Amount.
Sept. 22	40	James Riley, repairing tools.....	\$2 75
29	41	Pay-roll Laborers, grading streets.....	225 00
Oct. 27	42	Pay-roll Laborers, cleaning streets.....	106 50
	43	W. S. Penfield, plow points.....	2 40
Nov. 3	44	Pay-roll Laborers, cleaning streets.....	228 60
10	45	Pay-roll Laborers, cleaning streets.....	158 20
19	46	Pay-roll Laborers, cleaning and grading streets, ..	159 20
24	47	Pay-roll Laborers, cleaning streets .....	133 65
Dec. 8	48	Pay-roll Laborers, grading streets.....	81 15
	49	Pay-roll Laborers, grading alleys.....	15 68
	50	James L. Fisher, tools.....	2 25
17	51	Pay-roll Laborers, grading and cleaning streets,	37 40
29	52	Pay-roll Laborers, grading and cleaning streets,	36 60
			<hr/> \$3,805 34 <hr/>

## ROAD DISTRICT No. 10.

1877.

Feb. 3	1	Henry May, Grading Fort street.....	\$100 50
	2	Pay-roll Laborers, opening ditches.....	4 50
10	3	Pay-roll Laborers, opening ditches.....	3 90
	4	Henry May, grading on Leib street, 1876.....	99 71
25	5	Foley & Moran, hauling earth, Leib street.....	24 38
Mar. 31	6	Pay-roll Laborers, opening gutters.....	1 64
April 28	7	Louis Schreck, hauling earth.....	13 86
	8	Pay-roll Laborers, cleaning streets.....	50 35
May 5	9	Louis Schreck, hauling earth.....	2 88
19	10	Louis Schreck, hauling earth.....	2 42
	11	Pay-roll Laborers, grading streets.....	93 13
26	12	Pay-roll Laborers, grading streets.....	155 63
	13	Louis Schreck, hauling dirt .....	15 84
June 9	14	Pay-roll Laborers, grading streets.....	328 35
25	15	Pay-roll Laborers, grading streets.....	301 70
	16	Pay-roll Laborers, cleaning streets.....	20 50
30	17	Pay-roll Laborers, cleaning streets.....	8 25
July 7	18	Pay-roll Laborers, grading streets .....	178 65
14	19	Foley & Moran, hauling dirt.....	32 12
23	20	Pay-roll Laborers, grading streets.....	281 13
28	21	Pay-roll Laborers, grading streets.....	124 00
	22	Detroit and Lake Superior Iron Manufacturing Co., cinders.....	16 90

Date.	No. of Voucher.	Description.	Amount.
July 28	23	Foley & Moran, hauling dirt.....	\$60 88
	24	Jeremiah Connor, hauling dirt.....	9 90
Aug. 4	25	Foley & Moran, hauling dirt.....	10 25
	26	Pay-roll Laborers, cleaning streets.....	50 00
	27	Pay-roll Laborers, grading streets.....	7 25
Sept. 3	28	Pay-roll Laborers, grading streets.....	68 50
	29	Louis Schreck, hauling dirt.....	3 75
	30	Pay-roll Laborers, grading streets.....	119 00
	31	Pay-roll Laborers, grading streets.....	135 25
	32	Pay-roll Laborers, grading streets.....	145 50
	33	Albert Koss, hauling dirt and filling up Leib street.....	3 92
	34	Pay-roll Laborers, grading streets.....	30 25
Oct. 6	35	Henry Collins, hauling brick-bats to Mt. Elliott avenue.....	7 00
	36	Detroit and Lake Superior Iron Manufacturing Co., cinders for McDougall avenue.....	2 70
Nov. 10	37	Pay-roll Laborers, cleaning streets.....	40 90
	38	Pay-roll Laborers, cleaning streets.....	91 20
Dec. 17	39	Pay-roll Laborers, cleaning streets.....	11 70
	40	Pay-roll Laborers, cleaning streets.....	37 20
			<u>\$2,713 49</u>

## ROAD DISTRICT No. 11.

1877.			
April 28	1	C. Kaiser & Co., hauling dirt.....	\$20 28
	2	Pay-roll Laborers, cleaning streets.....	26 38
May 5	3	Pay-roll Laborers, cleaning streets.....	50 25
	4	Pay-roll Laborers, cleaning streets.....	11 25
	5	C. Kaiser & Co., hauling dirt.....	34 58
	6	Pay-roll Laborers, grading streets.....	180 70
June 9	7	Pay-roll Laborers, grading streets.....	86 25
	8	Eugene Robinson & Co., extra grading St. Antoine street in 1874.....	62 37
	9	Pay-roll Laborers, grading streets.....	42 90
	10	Pay-roll Laborers, grading streets.....	115 75
July 7	11	Pay-roll Laborers, grading and cleaning streets,	197 75
	13	Pay-roll Laborers, grading streets.....	316 50
Aug. 4	14	Pay-roll Laborers, grading streets.....	148 10
	15	Pay-roll Laborers, grading and cleaning streets,	130 00

## BOARD OF PUBLIC WORKS.

53

Date.	No. of Voucher.	Description.	Amount.
Sept. 3	16	Pay-roll Laborers, cleaning streets.....	\$24 55
	17	Pay-roll Laborers, grading streets.....	68 65
	29	Pay-roll Laborers, grading streets.....	11 50
Oct. 19	19	Pay-roll Laborers, grading streets.....	31 00
Nov. 3	20	Pay-roll Laborers, cleaning streets.....	65 20
	19	Pay-roll Laborers, grading and cleaning streets,	115 35
	22	Foley & Moran, hauling dirt.....	15 00
	24	Pay-roll Laborers, grading and cleaning streets,	123 35
Dec. 1	24	Pay-roll Laborers, cleaning streets.....	28 45
	17	Pay-roll Laborers, cleaning streets.....	67 45
	26	Pay-roll Laborers, cleaning streets.....	55 90
	24	Pay-roll Laborers, cleaning streets.....	39 40
	28	Pay-roll Laborers, cleaning and grading streets,	41 60
1878.			
Jan. 7	29	Pay-roll Laborers, grading Hastings street.....	36 75
	14	Henry Collins, hauling dirt.....	3 75
			<u>\$2,145 96</u>

## ROAD DISTRICT No. 12.

1877.			
Mar. 31	1	Pay-roll Laborers, opening gutters.....	\$2 00
April 7	2	Pay-roll Laborers, opening gutters.....	1 90
May 5	3	Pay-roll Laborers, cleaning and grading streets,	151 20
	7	Michael McLaughlin, hauling dirt.....	26 45
	12	J. B. Wilson, repairing land roller.....	2 93
	6	Pay-roll Laborers, grading streets.....	185 50
	19	Pay-roll Laborers, grading streets.....	66 00
	8	M. McLaughlin, hauling dirt... ..	2 53
June 9	9	Henry Heames & Sons, stone.....	3 75
July 14	10	Pay-roll Laborers, cleaning streets.....	7 75
	23	W. S. Penfield, plow, etc.....	5 25
	28	Pay-roll Laborers, grading streets.....	167 30
Aug. 4	13	Pay-roll Laborers, grading streets.....	158 50
	11	Pay-roll Laborers, cleaning streets.....	25 50
Sept. 10	15	Pay-roll Laborers, grading streets.....	157 00
	15	Pay-roll Laborers, grading streets.....	201 20
Oct. 27	17	Pay-roll Laborers, grading streets.....	65 50
Nov. 3	18	Pay-roll Laborers, grading and cleaning streets,	223 50
Dec. 1	19	Pay-roll Laborers, grading and cleaning streets,	134 25

Date.	No. of Voucher.	Description.	Amount.
Dec. 8	20	Pay-roll Laborers, cleaning streets.....	\$7 80
24	21	Pay-roll Laborers, grading and cleaning streets,	159 40
20	22	Pay-roll Laborers, cleaning streets.....	98 88
	23	Pay-roll Laborers, cleaning streets. . . . .	12 15
			<u>\$1,865 74</u>

## ROAD DISTRICT No. 13.

1877.			
April 28	1	Moran & Cleary, hauling dirt.....	\$24 25
	2	Pay-roll Laborers, cleaning streets.....	81 67
May 12	3	Pay-roll Laborers, grading streets.....	54 00
26	4	Pay-roll Laborers, grading streets.....	183 10
June 9	5	Pay-roll Laborers, grading streets.....	299 00
16	6	Foley & Moran, earth for E. L. Campau street..	25 00
25	7	Pay-roll Laborers, grading streets.....	169 35
July 7	8	Pay-roll Laborers, grading and cleaning streets,	100 55
23	9	Pay-roll Laborers, grading streets.....	10 50
21	10	R. M. Coon, grading and filling up:.....	60 00
Aug. 4	11	Pay-roll Laborers, grading streets.....	104 90
11	12	Perrien Brothers, working Collins street.....	24 00
	13	John Ferguson, working Collins street.....	68 00
18	14	Pay-roll Laborers, cleaning and grading streets,	100 50
Sept. 3	15	Pay-roll Laborers, cleaning and grading streets,	158 53
	16	Carl Smith, grading German street.....	30 00
	17	Pay-roll Laborers, grading streets.....	190 00
22	18	Pay-roll Laborers, grading streets.....	49 50
29	19	Pay-roll Laborers, grading streets.....	74 00
Oct. 6	20	Pay-roll Laborers, grading streets.....	87 00
13	21	Pay-roll Laborers, grading streets.....	60 50
19	22	Pay-roll Laborers, grading streets.....	27 00
Nov. 3	23	Pay-roll Laborers, grading streets.....	23 00
19	24	Pay-roll Laborers, grading and cleaning streets,	76 40
24	25	Pay-roll Laborers, grading and cleaning streets,	27 40
Dec. 17	26	Pay-roll Laborers, cleaning streets.....	37 45
1878.			
Jan. 7	27	Pay-roll Laborers, cleaning St. Aubin avenue..	38 20
			<u>\$2,133 82</u>

## ROAD DISTRICT FUNDS.

Condensed Statement, showing for what purposes Expenditures  
were made.

### FIRST WARD.

Cleaning paved streets .....	\$1,610 49	
Opening ditches.....	40 10	
Repairing paved alleys. ....	23 83	
Brooms.....	5 00	
		<u>\$1,679 42</u>

### SECOND WARD.

Cleaning paved streets.....	\$1,609 54	
Opening ditches.....	50 10	
Brooms.....	6 00	
Repairing paved alleys.....	41 81	
Scythes.....	2 95	
		<u>\$1,710 40</u>

### THIRD WARD.

Cleaning paved streets.....	\$887 70	
Grading alleys.....	225 51	
Repairing paved alleys.....	9 38	
		<u>\$1,122 59</u>

### FOURTH WARD.

Cleaning paved streets.....	\$711 85	
Grading alleys .....	91 26	
Grading streets.....	13 50	
		<u>\$816 61</u>



## FIFTH WARD.

Cleaning paved streets.....	\$2,240 14	
Grading streets.....	953 30	
Repairing paved alleys.....	51 26	
Repairing roller.....	2 94	
Plow.....	4 50	
	<hr/>	\$3,252 14
		<hr/>

## SIXTH WARD.

Cleaning paved streets.....	\$1,177 61	
Grading streets.....	946 10	
Extra grading, 1874.....	62 37	
Repairing paved alleys.....	17 46	
	<hr/>	\$2,203 54
		<hr/>

## SEVENTH WARD.

Cleaning paved streets.....	\$812 00	
Grading streets.....	263 63	
Grading alleys.....	225 28	
	<hr/>	\$1,301 51
		<hr/>

## EIGHTH WARD.

Cleaning paved streets.....	\$972 50	
Grading streets.....	1,189 95	
Repairing roller.....	2 94	
Plow.....	4 50	
Cleaning streets, 1874.....	40 00	
	<hr/>	\$2,159 89
		<hr/>

## NINTH WARD.

Cleaning paved streets.....	\$1,466 71	
Grading streets.....	2,275 82	
Opening ditches.....	19 40	
Repairing roller.....	2 93	
Brooms.....	2 50	
Grading alleys.....	15 68	
Plows, etc.....	9 30	
Repairing tools.....	5 00	
Bolts, etc.....	8 00	
	<hr/>	\$3,805 34
		<hr/>

## TENTH WARD.

Cleaning paved streets.....	\$322 85	
Grading streets.....	2,077 84	
Opening ditches.....	6 14	
Cleaning crosswalks.....	3 90	
Hauling dirt.....	283 18	
Cinders.....	19 60	
	<hr/>	\$2,713 49
		<hr/>

## ELEVENTH WARD.

Grading streets.....	\$1,370 80	
Extra grading, 1874.....	62 37	
Cleaning paved streets.....	712 79	
	<hr/>	\$2,145 96
		<hr/>

## TWELFTH WARD.

Grading streets .....	\$1,288 75	
Repairing roller.....	2 93	
Hauling dirt .....	2 53	
Cleaning paved streets.....	562 53	
Stone.....	3 75	
Plow and plow point.....	5 25	
	<hr/>	\$1,865 74
		<hr/>

## THIRTEENTH WARD.

Grading streets.....	\$1,867 45	
Cleaning paved streets.....	266 37	
	<hr/>	\$2,133 82
		<hr/>

## PUBLIC SEWER FUND.

Date.	No. of Voucher.	Description.	Amount.
1877.			
April 28	1	William Chapoton, Inspector Berlin street sewer	\$18 00
30	2	Detroit Tribune Co., advertising.....	9 31
May 5	3	Abend Post, advertising.....	7 25
	3½	Charles Dupont, recording deed.....	1 00
	4	William Chapoton, Inspector Berlin and Clifford street sewers.....	18 00
12	5	Louis De Broux, Inspector Berlin street sewer..	3 00
	6	Anton Dettloff, first and final estimate, Berlin street sewer ....	641 35
	7	William Chapoton, Inspector Clifford and Rivard street sewers.....	18 00
19	8	Jeremiah Connor, Clifford street sewer, first estimate .....	1,399 68
	9	Thomas Jaynes, Congress and Bates streets sewer, first estimate.....	1,029 48
	10	William Chapoton, Inspector Rivard street sewer,	15 00
	11	Daniel Shanahan, Inspector Holden Road sewer,	17 50
26	12	August Zander, Holden Road sewer, first and final estimate.....	362 60
	13	Henry Collins, Rivard street sewer, first estimate	2,019 94
	14	Wm. Chapoton, Inspector Rivard street sewer..	18 00
29	15	Tribune Co., advertising.....	14 21
June 2	16	Batchelder & Long, receiving basins and sewer pipe.....	147 28
	17	Wm. Chapoton, Inspector sewers.....	18 00
	18	Peter Wackerman, Inspector sewers.....	81 00
	19	Thomas Jaynes, Congress and Bates streets sewer, second estimate.....	858 36
	20	Jeremiah Connor, Park street sewer, second estimate .....	933 12
	21	Joseph Dally, Inspector of sewers.....	52 50

Date.	No. of Voucher.	Description.	Amount.
June 2	22	Pay-roll Laborers, building basins, etc.....	\$41 27
	9	23 Daily Abend Post, advertising ....	7 25
		24 Buffalo Cement Co., water lime.....	658 60
		25 Henry Collins, Rivard street sewer, second esti- mate.....	1,426 02
		26 Daniel Shanahan, Inspector sewers.....	15 00
		27 Inspectors of sewers.....	65 00
		28 James E. Scripps, advertising, Evening News..	23 68
10	29	Jeremiah Connor, Clifford and Park streets sewer, third estimate.....	1,010 88
	30	Thomas Jaynes, Congress and Bates streets sewer, third estimate .....	872 16
	31	Wagner & Mazein, Gratiot avenue sewer, first estimate .....	753 60
	32	August Zander, Williams avenue sewer, first estimate .....	1,682 48
	33	Anton Dettloff, Mt. Elliott avenue sewer, first estimate ...	594 00
		34 Inspectors of sewers.....	166 02
25	35	Henry Collins, Rivard street sewer, third esti- mate.....	1,063 96
	36	J. & T. Sullivan, Sixteenth street sewer, first estimate .....	1,101 60
	37	Kies & Schneider, Fremont street sewer, section one, first estimate.....	1,127 24
	38	Lasier & Company, water lime.....	828 06
	39	Daniel Shanahan, Inspector sewers.....	35 00
June 30	40	C. A. Sheldon, water lime.....	800 68
	41	J. & J. Dettloff, Ash street sewer, first and final estimate.....	271 94
	42	August Zander, Twenty-first street sewer, second estimate.....	1,002 40
	43	Charles Reinfeldt, Clifford and John R streets sewer, first estimate.....	1,096 16
	44	Anton Dettloff, Mt. Elliott avenue sewer, second estimate.....	363 00
	45	Jeremiah Connor, Clifford and Park streets sewer, fourth and final estimate .....	1,994 98
	46	Thomas Jaynes, Congress and Bates streets sewer, fourth and final estimate .....	1,279 05
	47	Pay-roll Laborers, building basins, etc.....	72 88

Date.	No. of Voucher.	Description.	Amount.
June 30	48	Batchelder & Long, receiving basins, etc.....	\$360 60
	49	Inspectors of sewers .....	394 50
	50	Daily Abend Post, advertising.....	1 94
	51	Detroit Tribune Co., advertising... ..	3 64
July 7	52	J. & T. Sullivan, Sixteenth street sewer, second estimate.....	1,058 40
	53	Wagner & Mazein, Gratiot avenue sewer, second estimate.....	628 00
	54	Jeremiah Connor, Fort street sewer, first estimate,	549 60
	55	Kies & Schneider, Fremont street sewer, section one, second estimate.....	1,652 54
	56	Buffalo Cement Co., water lime.....	1,311 28
14	57	J. & J. Dettloff, Magnolia street sewer, first estimate .....	171 68
	58	J. & T. Sullivan, Sixteenth street sewer, third estimate.....	691 20
	59	August Zander, Twenty-first street sewer, third and final estimate .....	2,188 82
	60	Anton Dettloff, Mt. Elliott avenue sewer, third and final estimate.....	420 50
	61	Henry Collins, Rivard street sewer, fourth and final estimate.....	1,650 51
	62	Wagner & Mazein, Gratiot avenue sewer, third estimate .....	628 00
	63	Charles Reinfeldt, Clifford and John R streets sewer, second estimate.....	495 04
	64	Pay-roll Laborers, building basins.....	61 37
	65	Inspectors sewers.....	278 50
21	66	Kies & Schneider, Fremont street sewer, section one, third estimate .....	1,871 42
28	67	Wagner & Mazein, Gratiot avenue sewer, fourth and final estimate.....	2,008 34
	68	J. & T. Sullivan, Sixteenth street sewer, fourth estimate.....	658 80
	69	Jeremiah Connor, Fort street sewer, second and final estimate .....	750 93
	70	August Zander, Crawford street sewer, section two, first estimate.....	809 60
	71	Jaynes & Buchan, Locust street sewer, first estimate .....	915 20
	72	Charles Reinfeldt, Clifford and John R streets sewer, third estimate.....	707 20

Date.	No. of Voucher.	Description.	Amount.
July 28	73	Detroit Tribune Co., advertising.....	\$5 04
	74	Inspectors sewers .....	292 00
Aug. 4	75	Union Akron Cement Co., water lime.....	388 50
	76	Buffalo Cement Co., water lime.....	1,281 68
	77	Union Akron Cement Co.....	817 70
	78	Kies & Schneider, Fremont street sewer, section one, fourth estimate.....	1,094 40
	79	Uridge & Bristow, Crawford street sewer, section one, first estimate.....	1,338 40
	80	Ostrowski & Hildebrandt, Scott street sewer, first and final estimate .....	363 00
	81	Daily Abend Post, advertising .....	5 16
	82	Pay-roll Laborers, building basins, etc.....	51 68
11	83	Inspectors sewers.....	285 00
	84	J. & J. Dettloff, Magnolia street sewer, section one, second and final estimate.....	881 88
	85	Horan & Sullivan, sewer grates.....	73 92
	86	J. & T. Sullivan, Sixteenth street sewer, fifth and final estimate.....	1,048 00
	87	Charles Reinfeldt, Clifford and John R streets sewer, fourth estimate.....	742 56
	88	William Becht, Twenty-fourth street sewer, first estimate .....	1,170 44
	89	Jaynes & Buchan, Locust street sewer, second estimate .....	846 56
	90	August Zander, Crawford street sewer, section two, second estimate.....	1,390 40
18	91	Uridge & Bristow, Crawford street sewer, section one, second estimate.....	1,242 80
	92	Henry Collins, Third avenue sewer, first estimate,	699 48
20	93	Peter Brennan, Inspector sewers.....	15 00
25	94	August Zander, Crawford street sewer, section two, third estimate.....	1,091 20
	95	William Becht, Twenty-fourth street sewer, second estimate .....	536 44
	96	Batchelder & Long, sewer pipe, etc.....	162 52
	97	D. L. Van De Werken, sand.....	3 00
	98	Inspectors sewers.....	249 00
	99	Kies & Schneider, Fremont street sewer, section one, fifth and final estimate.....	1,990 56
100		Jaynes & Buchan, Locust street sewer, third and final estimate.....	716 16

Date.	No. of Voucher.	Description.	Amount
Aug. 25	101	Detroit Tribune Co., advertising.....	\$2 73
Sept. 3	102	Pay-roll Laborers, building basins, etc.....	33 00
	103	Henry Collins, Third avenue sewer, second estimate.....	553 32
	104	Wagner & Mazein, Magnolia street sewer, section two, first and final estimate.....	572 75
	105	Detroit Tribune Co., advertising.....	3 50
	106	Daily Abend Post, advertising.....	6 28
	107	Union Akron Cement Co., water lime.....	351 50
	108	Uridge & Bristow, Crawford street sewer, section one, third estimate.....	956 00
10	109	William Becht, Twenty-fourth street sewer, third estimate.....	822 96
	110	August Zander, Crawford street sewer, section two, fourth and final estimate.....	2,075 00
	111	Kies & Schneider, Fremont street sewer, section two, first estimate.....	1,990 56
	112	Charles Reinfeldt, Clifford and John R streets sewer, fifth and final estimate.....	1,339 18
	113	Jaynes & Buchan, Fremont street sewer, section three, first estimate.....	775 11
	114	Uridge & Bristow, Crawford street sewer, section one, fourth and final estimate.....	1,388 80
	115	James E. Scripps, advertising, Evening News..	26 51
15	116	Henry Collins, Third avenue sewer, third estimate.....	417 60
	117	Charles Dupont, recording deeds....	2 00
	118	Batchelder & Long, sewer pipe, etc.....	136 00
	119	Inspectors sewers.....	205 25
	120	Buffalo Cement Co., water lime.....	1,434 86
22	121	Pay-roll Laborers, building basins, etc.....	136 88
	122	Inspectors sewers.....	208 50
	123	Wagner & Mazein, Holden Road sewer, first and final estimate.....	365 28
	124	Kies & Schneider, Fremont street sewer, section two, second estimate.....	1,029 60
	125	William Becht, Twenty-fourth street sewer, fourth estimate.....	701 04
	126	Jaynes & Buchan, Fremont street sewer, section three, second estimate.....	739 87
	127	August Zander, Eleventh street sewer, first and final estimate.....	443 76

Date.	No. of Voucher.	Description.	Amount.
Sept. 29	128	Lasier & Co., water lime.....	\$485 44
	129	Henry Collins, Third avenue sewer, fourth and final estimate.....	679 62
	130	Henry Collins, Beaubien street sewer, section two, first estimate.....	580 89
	131	Detroit Tribune Co., advertising.....	3 22
	132	Detroit Abend Post, advertising.....	4 08
Oct. 6	133	Anton Dettloff, Labrosse street sewer, first esti- mate.....	172 80
	134	Wagner & Mazein, Cass avenue sewer, first esti- mate.....	343 20
	135	Jaynes & Buchan, Fremont street sewer, section three, third estimate.....	722 26
	136	Kies & Schneider, Fremont street sewer, section two, third estimate.....	327 12
	137	Kies & Schneider, Beaubien street sewer, section one, first estimate.....	660 48
	138	Ferdinand Porath, Riopelle street sewer, first and final estimate.....	497 95
	139	Batchelder & Long, sewer pipe.....	411 47
	140	Buffalo Cement Co., water lime.....	606 80
	141	Union Akron Cement Co., water lime.....	370 00
	142	Inspectors sewers.....	210 00
	13	143 Anton Dettloff, Labrosse street sewer, second and final estimate.....	129 40
	144	Henry Collins, Beaubien street sewer, section two, second estimate.....	404 80
	145	Pay-roll Laborers, building basins, etc.....	151 81
	146	Samuel Parsons, Inspector sewers.....	6 00
	147	William Becht, Twenty-fourth street sewer, fifth and final estimate.....	1,299 49
	19	148 Inspectors sewers.....	144 00
	149	Jaynes & Buchan, Fremont street sewer, section three, fourth estimate.....	645 92
27	150	Batchelder & Long, sewer pipe, etc.....	85 16
	151	Henry Collins, Beaubien street sewer, section two, third estimate.....	754 95
	152	Kies & Schneider, Fremont street sewer, section two, fourth and final estimate.....	1,467 82
Nov. 3	153	Jaynes and Buchan, Fremont street sewer, sec- tion three, fifth and final estimate.....	1,150 44



Date.	No. of Voucher.	Description.	Amount.
Nov. 8	154	Daily Abend Post, advertising.....	\$1 45
	155	Pay-roll Laborers, building basins.....	19 25
	156	Inspector sewers .....	36 00
	157	Inspector sewers .....	36 00
	158	Inspector sewers .....	15 00
	159	Inspector sewers .....	42 00
Nov. 10	160	Kies & Schneider, Beaubien street sewer, section one, second estimate.....	1,139 33
	161	Henry Collins, Beaubien street sewer, section two, fourth estimate.....	384 56
	162	Jaynes & Buchan, John R street sewer, first esti- mate.....	327 60
	163	Union Akron Cement Co., water lime.....	192 40
12	164	Buffalo Cement Co., water lime.....	225 70
19	165	Wagner & Mazein, Cass avenue sewer, second and final estimate.....	869 81
	166	Jaynes & Buchan, John R street sewer, second and final estimate.....	256 62
	167	Inspector sewers .....	42 00
	168	Inspector sewers .....	33 00
	169	Inspector sewers .....	22 50
	170	Pay-roll Laborers, grading over sewers... ..	96 60
24	171	Kies & Schneider, Beaubien street sewer, section one, third and final estimate... ..	891 85
Dec. 1	172	Inspector sewers.....	31 50
	173	Batchelder & Long, sewer pipe, etc.....	200 49
	174	Henry Collins, Beaubien street sewer, section two, fifth and final estimate.....	1,285 85
	175	C. C. Robinson, sand.....	1 36
	176	Lasier & Co., water lime.....	792 54
	177	Pay-roll Laborers, building basins.....	132 49
17	178	Buffalo Cement Co., water lime.....	48 84
24	179	Post and Tribune Co., advertising.....	1 47
31	180	James E. Scripps, advertising, Evening News..	6 65
			<u>\$101,699 75</u>

## PUBLIC SEWER FUND.

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Condensed Statement, showing for what purposes Expenditures  
were made.

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Ash street sewer.....	\$271 94
Berlin street sewer.....	641 35
Beaubien street sewer, section one.....	2,891 66
Beaubien street sewer, section two.....	3,411 05
Clifford and Park street sewer.....	5,338 61
Congress street sewer.....	4,039 05
Clifford and John R street sewer.....	4,380 14
Crawford street sewer, section one.....	4,026 00
Crawford street sewer, section two.....	5,366 20
Cass avenue sewer.....	1,213 01
Eleventh street sewer.....	443 76
Fremont street sewer, section one.....	7,736 16
Fremont street sewer, section two.....	5,315 10
Fremont street sewer, section three.....	4,033 60
Fort street sewer.....	1,300 53
Gratiot avenue sewer.....	4,017 94
Holden Road sewer, section one.....	362 60
Holden Road sewer, section two.....	365 28
John R street sewer.....	584 22
Labrosse street sewer.....	302 20
Locust street sewer.....	2,477 92
Mt. Elliott avenue sewer.....	1,377 50
Magnolia street sewer, section one.....	1,053 56
Magnolia street sewer, section two.....	572 75
Rivard street sewer.....	6,160 43
Riopelle street sewer.....	407 95
Sixteenth street sewer.....	4,558 00
Scott street sewer.....	362 00

Twenty-first street sewer.....	\$3,191 22
Twenty-fourth street sewer.....	4,530 37
Third avenue sewer.....	2,850 02
Williams avenue sewer.....	1,632 48
Inspectors.....	3,085 77
Advertising....	133 27
Recording deeds.....	3 00
Sand.....	4 36
Grading over sewers.....	96 60
Water lime.....	10,594 58
Receiving basins and sewer pipe.....	1,503 52
Labor, building receiving basins.....	700 13
Sewer grates.....	73 92
	<hr/>
	<u>\$101,699 75</u>

## GENERAL SEWER FUND.

Date.	No. of Voucher.	Description.	Amount.
1877.			
Feb. 8	1	Hardy & Flemming, First street outlet, first estimate.....	\$150 00
	2	Pay-roll Laborers, cleaning basins.....	68 95
	3	Chas. Glaser, Superintendent cleaning basins...	49 00
10	4	Guy F. Hinchman & Co., rope, First street outlet.....	2 85
12	5	Flemming & Hardy, First street outlet, second and final estimate.....	592 91
17	6	Pay-roll Laborers, digging earth, etc.....	58 50
	7	Flemming & Hardy, extra work, First street outlet.....	41 12
24	8	A. G. Taylor, repairing tools, First street outlet,	2 50
28	9	Charles Glaser, Superintendent repairs receiving basins, etc.....	84 00
March 2	10	Byram, Nuppenau & Clark, repairs foot First street.....	4 85
7	11	Pay-roll Laborers, cleaning receiving basins, etc.,	54 25
24	12	Guy F. Hinchman & Co., rope.....	2 64
31	13	Charles Glaser, Superintendent repairs, etc., receiving basins.....	94 50
	14	Pay-roll Laborers, cleaning basins, etc.....	40 38
April 14	15	Louis De Broux, Inspector lateral sewers.....	8 25
28	16	Charles Glaser, Superintendent repairs receiving basins.....	87 50
	17	John Greusel, brick, repairs to sewers.....	6 50
	18	Pay-roll Laborers, cleaning basins, etc.....	85 63
	19	Pay-roll Laborers, filling up over sewers.....	67 38
May 5	20	Louis De Broux, Inspector lateral sewers.....	2 25
12	21	Louis De Broux, Inspector lateral sewers.....	4 50

Date.	No. of Voucher.	Description.	Amount.
May 19	22	Charles Reinfeldt, sewer for receiving basins, first estimate.....	\$140 80
	23	Louis De Broux, Inspector sewers....	9 00
	24	Daniel Shanahan, Inspector lateral sewers.....	18 00
	26	25 Charles Reinfeldt, sewer for receiving basins, second and final estimate.....	126 08
	26	Louis De Broux, Inspector lateral sewers....	9 00
June 2	27	Batchelder & Long, sewer pipe, etc.....	845 91
	28	Charles Glaser, oil, wick and car fare.....	1 81
	29	Horan & Sullivan, sewer grates.....	128 11
	30	Charles Glaser, Superintendent repairs receiving basins.....	94 50
	31	Louis De Broux, Inspector lateral sewers.....	12 00
	32	Pay-roll Laborers, building and repairing receiv- ing basins.....	244 20
	9	33 Buffalo Cement Co., water lime.....	37 74
		34 John Snow, stench traps.....	132 00
	11	35 Guy F. Hinchman & Co, red globe for sewers repairs. ....	1 00
		36 James E. Scripps, advertising, Evening News..	16 28
	16	37 U. Armstrong, straight edge.....	15 00
		38 C. C. Robinson, sand ...	5 60
		39 Pay-roll Laborers, building, etc., basins.....	219 47
	25	40 Horan & Sullivan, sewer grates.....	137 65
		41 Lasier & Company, water lime.....	28 86
		42 F. D. Eatherly, lumber (sewer foot of Chene street).....	124 83
		43 Pay-roll Laborers, building, etc., basins.....	111 91
	30	44 Charles Glaser, Superintendent building, etc., basins.....	91 00
July 7	45	James L. Fisher, water pails.....	1 73
	46	Buffalo Cement Co., water lime.....	25 90
	47	W. H. Anderson, repairing tools.....	6 48
	48	Batchelder & Long, sewer pipe, etc.....	615 96
	49	Ostrowski & Hildebrandt, extra labor, lateral sewers.....	13 15
	14	50 Pay-roll Laborers building, etc., basins.....	89 45
		51 Louis De Broux, Inspector lateral sewers.....	12 00
	21	52 Anton Dettloff, extra labor, Mt. Elliott avenue sewer.....	13 90
	23	53 Horan & Sullivan, sewer grates.....	108 52

Date.	No. of Voucher.	Description.	Amount.
July 28	54	Louis De Broux, Inspector lateral sewers.....	\$12 00
Aug. 4	55	Buffalo Cement Co., water lime.....	28 68
	56	Union Akron Cement Co., water lime.....	87 00
	57	Charles Glaser, oil, wick and car fare.....	2 75
	6	58 M. & W. H. Henderson, sewer for receiving basins .....	202 40
		59 Pay-roll Laborers, building, etc., sewers .....	148 06
		60 Charles Glaser, Superintendent building basins,	91 00
	11	61 Daniel Shanahan, Inspector lateral sewers.....	15 00
		62 Louis De Broux, Inspector lateral sewers.....	4 00
	18	63 Pay-roll Laborers, leveling over sewers.....	16 00
	25	64 Batchelder & Long, receiving basins and pipe..	902 20
		65 D. L. Van De Werken, sand.....	28 60
		66 Pay-roll, Inspectors lateral sewers.....	48 00
		67 Detroit Tribune Co., advertising .....	8 78
Sept. 8		68 Coulson & Morhous, wheelbarrows.....	8 50
		69 John Campbell, freight on sewer traps.....	8 32
		70 Pay-roll Laborers, building basins, etc.....	314 96
		71 Charles Glaser, Superintendent repairs, receiving basins .....	94 50
	10	72 H. W. Clapp, sewer caps.....	60 00
		73 Horan & Sullivan, sewer grates.....	148 06
		74 John Campbell, freight on sewer traps.....	4 60
		75 John Sullivan, German street sewer, first and final estimate.....	159 50
		76 Pay-roll Laborers, Williams avenue sewer.....	59 00
		77 Louis De Broux, Inspector lateral sewers... ..	36 50
		78 F. G. Mailloux, Inspector lateral sewers.....	20 00
		79 Buffalo Cement Co., water lime. . . . .	13 32
	15	80 Peter Brennan, Inspector lateral sewers .. . . .	22 50
		81 James McEwen & Co., repairing pipe on Macomb street... ..	1 49
		82 Batchelder & Long, basins and sewer pipe.....	792 21
		83 Detroit Cement Sewer Pipe Co., sewer pipe....	302 61
		84 Ostrowski & Hildebrandt, sewer for basins, Hazel street.... ..	225 84
		85 Ostrowski & Hildebrandt, sewer for basins, Laurel street.....	90 20
	22	86 Pay-roll Laborers, building receiving basins ...	397 44
		87 Daniel Shanahan, Inspector lateral sewers.....	80 00
		87½ Louis De Broux, Inspector lateral sewers.....	24 00

Date.	No. of Voucher.	Description.	Amount
Sept. 22	88	John Greusel & Sons, brick for receiving basins,	\$6 20,
	89	John Sullivan, German street sewer, second and final estimate.....	218 45
	90	Ostrowski & Hildebrandt, sewer for basins, Mt. Hope and Tillman avenues.....	198 00
29	91	Horan & Sullivan, sewer grates.....	84 38
	92	Ferdinand Porath, putting in sewer crock.....	2 00
	93	Lasier & Company, water lime.....	88 06
	94	Charles Glaser, Superintendent building receiv- ing basins.....	87 50
	95	Charles Glaser, freight on stench traps, etc.....	8 32
Oct 6	96	W. H. Anderson, repairing tools.....	12 71
	97	Buffalo Cement Co., water lime.....	28 12
	98	Batchelder & Long, receiving basins, pipes, etc.,	585 00
	99	J. & S. Snow, sewer traps.....	108 00
	100	John Sullivan, Father street sewer.....	376 85
	101	Inspectors lateral sewers.....	94 00
13	102	Horan & Sullivan, sewer grates.....	111 55
	103	Pay-roll Laborers, building receiving basins, etc.,	320 42
	104	Charles Dupont, recording deeds.....	1 00
	105	Guy F. Hinchman & Co., red globe.....	1 00
	106	Hugh Moffat, timber, repairs St. Antoine street sewer.....	3 64
	107	August Zander, Farnsworth street sewer.....	482 68
	108	Samuel J. Gidday, Inspector lateral sewers.....	12 00
19	109	Daniel Shanahan, Inspector lateral sewers.....	28 00
	110	Anton Dettloff, Beaubien street sewer, for receiv- ing basins.....	100 15
	111	Batchelder & Long, receiving basins.....	620 17
27	112	Detroit Cement Sewer Pipe Co., sewer pipe.....	131 27
	113	Charles Glaser, car fare, oil, etc.....	1 44
	114	Charles Glaser, Sup't building basins, etc.....	94 50
Nov. 3	115	Jaynes & Buchan, extra work, Congress street sewer.....	25 75
	116	J. & S. Snow, stench traps.....	112 00
	117	Horan & Sullivan, sewer grates.....	111 55
	118	W. H. Anderson, repairing tools.....	1 57
	119	Daniel Shanahan, Inspector lateral sewers.....	24 00
	120	Pay-roll Laborers, building basins, etc.....	177 28
Nov. 12	121	Buffalo Cement Co., water lime.....	19 24
	19	122 Cobb, Wallace & Law, stone for John R street sewer.....	1 09

## BOARD OF PUBLIC WORKS.

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Date.	No. of Voucher.	Description.	Amount.
Nov. 20	123	Daniel Shanahan, Inspector lateral sewers.....	\$24 00
Dec. 1	124	C. C. Robinson, sand.....	12 40
	125	Wm. Chapoton, Inspector lateral sewers.....	10 50
	126	Samuel J. Gidday, Inspector lateral sewers....	16 00
	127	Wm. H. Langley, Inspector lateral sewers.....	86 00
	128	Daniel Shanahan, Inspector lateral sewers.....	24 00
	129	Charles Glaser, Superintendent building and repairing basins.....	91 00
	129½	Charles Glaser, car fare and lamp oil.....	1 59
	130	Batchelder & Long, receiving basins and sewer pipe.....	496 17
	181	Pay-roll Laborers, building and repairing basins,	79 09
	182	Lasier & Company, water lime.....	54 02
8	183	William Chapoton, Inspector lateral sewers ...	18 00
	184	August Zander, sewer pipe.....	20 00
	185	Horan & Sullivan, sewer grates.....	111 55
	186	Detroit Tribune, advertising.....	3 78
17	187	Pay-roll Laborers, building and repairing basins,	186 48
24	188	Horan & Sullivan, sewer grates.....	31 98
	189	Post and Tribune Co., advertising....	9 94
26	140	D. L. Van de Werken, sand.....	19 00
31	141	Pay-roll Laborers, building and repairing basins,	84 70
	142	Batchelder & Long, receiving basins, pipe, etc.,	483 80
	143	James E. Scripps, advertising, Evening News..	6 74
	144	Charles Glaser, Superintendent building, etc., basins.....	91 00
1878.			
Jan. 7	145	Lasier & Company, water lime.....	8 88
	146	Flemming & Hardy, Riopelle street outlet, first estimate.....	100 00
	147	Daily Abend Post, advertising.....	2 42
	148	W. H. Anderson, repairing tools .....	3 20
	149	Pay-roll Laborers, filling up over sewers, etc., and cleaning outlet and basins.....	61 48
14	150	Cobb, Wallace & Law, cutting receiving basins,	1 30
	151	Flemming & Hardy, Riopelle street outlet, second and final estimate.....	480 00
19	152	Post and Tribune Co., advertising.....	6 80
	153	Buffalo Cement Co., water lime.....	2 96
			<u>\$15,865 44</u>



## GENERAL SEWER FUND.

Condensed Statement, showing for what purposes Expenditures were made.

Brick for repairs .....	\$12 70
Freight on sewer traps.....	16 24
Sewers for receiving basins.....	2,320 95
Straight edge .....	15 00
Sand.....	60 60
Lumber for Chene street sewer.....	124 83
Water pails.....	1 78
Wheelbarrows.....	8 50
First street outlet repairs.....	788 88
Labor, cleaning basins.....	328 79
Superintendent of repairs.....	1,050 00
Rope.....	5 49
Labor, filling in over sewers.....	161 85
Repairing tools .....	26 46
Sewer pipe.....	2,345 65
Oil wick and car fare.....	7 59
Lamps.....	2 00
Labor, cleaning sewers.....	49 98
Grates .....	923 35
Labor, building basins.....	2,215 18
Water lime.....	367 78
Traps.....	353 00
Advertising, etc.....	49 24
Receiving basins.....	3,401 65
Sewer caps.....	60 00
Recording deed .....	1 00
Lumber for repairing St. Antoine street sewer.....	3 64
Stone for John R street sewer.....	1 09
Inspectors lateral sewers.....	513 50
Labor, repairing sewers.....	115 87
Labor, examining sewers.....	8 90
Riopelle street outlet.....	530 00
	\$15,865 44

## GENERAL FUND.

Date.	No. of Voucher.	Description.	Amount.
1877:			
Jan. 27	1	I. D. Bush, lamp post.....	\$10 29
	2	George W. Hough, brooms .....	50
Feb. 3	3	Samuel Hawman, repairs street lamps .....	30 25
10	4	Reid & Hills, glass for lamps.....	111 70
	5	James L. Fisher, hardware, City Hall.....	2 05
	6	E. B. Smith & Co., stationery, City Engineer...	6 00
17	7	Pay-roll Secretary and Clerks Board of Public Works.....	413 00
	8	Pay-roll Assistant City Engineers.....	408 00
	9	Samuel Hawman, lamps.....	8 25
19	10	I. D. Bush, lamp posts.....	42 00
March 2	11	E. W. Stoddard, tools for City Hall Janitor....	42 02
	12	Tribune Company, advertising.....	77 64
	13	James L. Fisher, tools for City Engineer.....	13 09
	14	William A. Scripps, printing.....	1 20
	15	Samuel Hawman, repairing lamps.....	49 50
5	16	Daily Post Company, advertising.....	24 78
	17	William P. Fuller, carpet cleaning.....	3 60
10	18	John J. Beauchmin, laying and cleaning carpets,	5 85
	19	William J. Young & Co., repairing instruments, City Engineers.....	16 05
	20	Daily Abend Post, advertising.....	31 67
17	21	Calvert Lithographing Company, maps, City Engineer.....	25 00
19	22	Samuel Hawman, repairing lamps.....	29 00
24	23	Pay-roll Secretary and Clerks Board of Public Works.....	449 00
	24	Pay-roll Assistant Engineers .....	459 00
	25	George F. Case, painting wagon.....	10 00
	26	James Flower & Bros., gas plyers, Gas Inspector,	7 47
	27	Farrand, Williams & Co., linseed oil, Janitor City Hall.....	20

## ANNUAL REPORT OF THE

Date.	No. of Voucher.	Description.	Amount.
Mar. 24	28	Jacob Welz, steel keys, City Hall Engineers....	\$4 70
	29	Guy F. Hinchman & Co., lard oil, City Hall Engineer.....	6 35
	30	John Campbell, postage stamps, .....	5 00
31	31	William A. Scripps, printing Annual Report....	112 00
April 7	32	Kirchberg, Winterhalter & Keenan, furniture, Eastern District Pound.....	3 50
	33	J. Dewey & Son, ladders for Gas Inspector....	28 50
	34	Tribune Company, advertising.....	2 84
	35	E. B. Smith & Co., stationery, City Engineer..	28 44
	36	Daily Abend Post, advertising.....	2 18
14	37	Samuel Hawman, repairing lamps.....	50 90
21	38	Deans, Brow & Godfrey, painting bulletin boards.....	3 36
	39	Pay-roll Secretary and Clerks Board of Public Works.....	425 00
	40	Pay Roll Assistant City Engineers.....	337 50
28	41	Deans, Brow & Godfrey, glass for lamps.....	107 33
	42	William A. Scripps, printing blanks, etc.....	37 43
May 5	43	Bernard Reilly, glass, etc., W. D. Pound.....	1 43
	44	J. P. Donaldson & Co., line for City Hall flag..	4 40
	45	E. B. Smith & Co., stationery.....	7 80
	46	James L. Fisher, brooms, etc., City Hall.....	5 00
	47	Tribune Co., advertising.....	12 25
	48	Pay-roll Laborer, cleaning around City Hall....	13 75
12	49	Wm. A. Scripps, printing.....	32 45
	50	Daily Abend Post, advertising.....	13 53
	51	Marcus Stevens & Co., repairing furniture, City Hall.....	48 75
19	52	Detroit Gas Light Co., repairing posts, etc.....	22 60
	54	D. E. Morgan & Co., awnings, City Hall.....	6 00
	55	Pay-roll Secretary and Clerks Board of Public Works.....	440 00
	56	Pay-roll Assistant City Engineers.....	364 50
	57	Pay-roll Laborer around City Hall.....	13 75
29	58	Tribune Co., advertising.....	7 07
June 2	59	Samuel Hawman, street lamps for gasoline....	433 33
	60	Pay-roll Laborer around City Hall.....	15 00
9	61	Tribune Co., advertising.....	4 48
	62	Wm. A. Scripps, book blanks.....	6 50

## BOARD OF PUBLIC WORKS.

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Date.	No. of Voucher.	Description.	Amount.
June 9	63	Samuel Hawman, repairs gas lamps.....	\$34 25
	64	Daily Abend Post, advertising.....	2 66
	65	James E. Scripps, advertising Evening News...	5 08
16	66	Pay-roll Laborer around City Hall.....	15 00
25	67	Michael Haller, paint for lamps .....	5 00
	68	Boydell Brothers, paint for lamps.....	4 00
	69	Boydell Brothers, paint for lamps.....	14 56
	70	Pay-roll Secretary and Clerks Board of Public Works.....	437 00
	71	Pay-roll Assistant City Engineers.....	351 00
30	72	Pay-roll Laborer around City Hall.....	15 00
	73	Wm. Brownlee & Co., cedar posts for lamps ..	150 00
	74	Daily Abend Post, advertising .....	6 77
	75	Daily Tribune Co., advertising.....	7 70
July 7	76	James Kelly, lamp posts, hauling and setting..	20 00
	77	James L. Fisher, brooms.....	1 50
	78	Mutual Gas Light Co., repairs lamp posts.....	25 50
	79	Detroit Gas Light Co., repairs lamp posts.....	33 80
	80	Wm. A. Scripps, printing.....	22 45
	81	Wm. A. Scripps, printing, City Engineer.....	2 98
	82	James Kelly, hauling, etc., wood lamp posts...	18 80
14	83	Pay-roll Laborer around City Hall .....	15 00
21	84	Pay-roll Secretary and Clerks Board of Public Works.....	437 00
	85	Pay-roll Assistant City Engineers.....	351 00
	86	E. B. Smith & Co., stationery.....	19 09
28	87	Pay-roll Laborer around City Hall.....	15 00
	88	Abbot & Ketchum, stair linen, Board of Public Works office.....	7 59
	89	Detroit Tribune Co., advertising .....	6 93
11	90	Pay-roll Laborer, watering streets around city property .....	24 00
	91	Pay-roll Laborer around City Hall.....	15 00
18	92	T. A. Parker, wagon grease for sprinkler.....	75
	93	Daily Abend Post, advertising.....	9 83
20	94	Pay-roll Assistant City Engineers.....	364 50
	95	Pay-roll Secretary and Clerks Board of Public Works .....	449 00
25	96	W. E. Heames & Co., wheelbarrows and scoops,	13 06
	97	Pay-roll Laborer, around City Hall.....	15 00
	98	Pay-roll Laborer, sprinkling streets.....	24 00

Date.	No. of Voucher.	Description.	Amount.
Sept. 3	99	George W. Hough, varnish brush, Board of Public Works.....	\$1 00
	100	E. B. Smith & Co., stationery.....	7 67
	101	Daily Abend Post, advertising.....	4 35
10	102	Pay-roll Laborer, around City Hall.....	15 00
	103	Wm. Brownlee & Co., cedar lamp posts.....	2 25
	104	E. B. Smith & Co., stationery, City Engineer..	5 70
	105	Byram, Nuppenau & Clark, bulletin boards, City Hall.....	7 05
	106	Pay-roll Laborer, watering streets. ....	24 00
	107	James E. Scripps, printing.....	22 67
15	108	James Kelly, hauling wood lamp posts .....	1 60
	109	James McEwan & Co., gas hooks, Gas Inspector,	48
	110	Reid & Hills, glass, City Engineer.....	3 30
22	111	Pay-roll Laborer, watering streets.....	24 00
	112	Pay-roll Assistant City Engineers .....	357 50
	113	Pay-roll Secretary and Clerks Board of Public Works.....	425 00
	114	Pay-roll Laborer, around City Hall.....	15 00
29	115	Detroit Tribune Co., advertising ....	13 93
	116	Daily Abend Post, advertising.....	8 70
Oct. 6	117	Detroit Gas Light Co., repairs lamp posts, etc...	40 85
	118	Mutual Gas Light Co., repairs lamps.....	49 00
	119	Pay-roll Laborer, sprinkling streets.....	24 00
	120	Pay-roll Laborer, around City Hall.....	15 00
12	121	E. B. Smith & Co., stationery, City Engineer..	6 50
	122	E. B. Smith & Co., stationery, Board of Public Works.....	2 24
19	123	Pay-roll Laborer, sprinkling streets.....	24 00
	124	Pay-roll Laborer, around City Hall.....	15 00
	125	Pay-roll Secretary and Clerks Board of Public Works.....	449 00
	126	Pay-roll Assistant City Engineers.....	364 50
27	127	Jacob Welz, locks for Council Chamber.....	2 00
	128	Pay roll Laborer, sprinkling streets .....	16 00
Nov. 3	129	D. Carter, agent, freight on lamp posts.....	7 12
	130	E. Choze & Son, repairs sprinkling wagon.....	1 80
	131	Pay-roll Laborer, around City Hall.....	15 00
10	132	E. H. Moreton, hauling lamp posts.....	3 00
	133	James L. Fisher, brooms, City Hall.....	1 50
	134	Mutual Gas Light Co., repairs gas lamp posts..	8 20
	135	Foley & Moran, hauling wood lamp posts.....	3 00

Date.	No. of Voucher.	Description.	Amount.
Nov. 10	136	John Campbell, postage stamps.....	\$4 57
	137	E. B. Smith & Co., stationery, City Engineer..	2 67
	138	Reid & Hills, lamp glass.....	112 80
	139	Foley & Moran, hauling wood lamp posts.....	1 00
	140	James Kelly, hauling and putting down lamp posts.....	4 00
	141	Pay-roll Laborer, around City Hall.....	15 00
	142	Pay-roll Assistant City Engineers.....	351 00
	143	Pay-roll Secretary and Clerks Board of Public Works.....	437 00
	20 144	Daily Abend Post, advertising.....	5 32
	24 145	Reid & Hills, glass for lamps.....	45 00
	146	Foley & Moran, hauling wood lamp posts.....	1 00
Dec. 1	147	James Kelly, setting wood lamp posts.....	6 40
	148	Mutual Gas Light Co., setting gas lamp posts..	121 50
	8 149	James L. Fisher, tools.....	1 35
	150	Daily Abend Post, advertising.....	9 66
	151	James E. Scripps, advertising, Evening News..	26 91
	17 152	Pay-roll Secretary and Clerks Board of Public Works.....	437 00
	153	Pay-roll Assistant City Engineers.....	351 00
	24 154	Post and Tribune Co., advertising.....	8 61
	31 155	Fulton Iron and Engine Co., hooks and bands, City Hall Engineer.....	2 50
1878.			
Jan. 2	156	Deans, Brow & Godfrey, picture cord and hook, Board of Public Works.....	35
	157	Pay-roll Laborer, watering streets.....	24 00
	158	Marcus Stevens & Co., desk, Clerk Superior Court.....	75 00
	7 159	Mutual Gas Light Co., pipe for lamps.....	11 00
	160	Daily Abend Post, advertising.....	6 28
	161	Detroit Gas Light Co., repairing pipe.....	212 15
	162	Byram, Nuppenau & Clark, pigeon holes, Con- troller's office.....	11 00
	163	Pay-roll Secretary and Clerks Board of Public Works.....	449 00
	164	Pay-roll Assistant Engineers.....	348 00
	165	Post and Tribune Co., advertising.....	4 48
	166	G. C. Carter, hauling iron lamp posts.....	17 20
	167	E. B. Smith & Co., stationery.....	2 01
			<u>\$12,925 15</u>

## GENERAL FUND.

Condensed Statement, showing for what purposes Expenditures  
were made.

### BOARD OF PUBLIC WORKS.

Salary Secretary and Clerks.....	\$5,256 00	
Advertising, etc.....	304 80	
Postage stamps.....	9 57	
Printing annual report and blanks.....	233 50	
Stationery.....	38 81	
Brush.....	1 00	
	<hr/>	<u>\$5,843 68</u>

### CITY ENGINEER'S OFFICE.

Salary of Assistants.....	\$4,407 50	
Stationery.....	49 31	
Maps and instruments.....	54 14	
Painting wagon.....	10 00	
Printing.....	2 98	
Glass.....	3 30	
	<hr/>	<u>\$4,527 23</u>

### GAS INSPECTOR.

Iron lamp posts.....	\$52 29	
Repairing street lamps.....	202 15	
Glass for street lamps.....	376 88	
Gas plyers.....	7 47	

## BOARD OF PUBLIC WORKS.

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Ladders .....	\$28 50	
Repairing leaks .....	179 95	
Street lamps for gasoline .....	433 33	
Paint .....	23 56	
Cedar lamp posts .....	191 05	
Setting wood lamp posts .....	10 40	
Setting iron lamp posts .....	121 50	
Pipe for connecting lamp posts .....	223 15	
Hauling iron lamp posts .....	21 80	
Hauling wood lamp posts .....	5 00	
Freight on lamp posts .....	7 12	
		<u>\$1,884 10</u>

## CITY HALL.

Brooms .....	\$8 00	
Coat hooks, etc .....	5 38	
Tools for Janitor .....	43 37	
Cleaning carpets .....	9 45	
Oil, etc., for Janitor .....	6 55	
Keys, etc .....	4 70	
Lime for flagging .....	4 40	
Cleaning Hall .....	13 75	
Repairing furniture .....	48 75	
Awnings .....	6 00	
Labor on grounds .....	208 75	
Crash for carpet in office of Board of Public Works ..	7 59	
Locks for Council Chamber .....	2 00	
File case for Controller's office .....	11 00	
		<u>\$380 19</u>

## SPRINKLING STREETS AROUND CITY PROPERTY.

Repairing sprinkling wagon .....	\$1 80	
Horse and Man .....	184 00	
Grease for sprinkler .....	75	
		<u>\$186 55</u>



## MISCELLANEOUS.

Furniture for Eastern District Pound.....	\$3 50	
Glass for Western District Pound .....	68	
Repair gate of Western District Wood Yard.....	75	
Wheelbarrows and scoops.....	13 06	
Painting bulletin boards.....	10 41	
Desk for Clerk of Superior Court.....	75 00	
		<hr/>
		\$103 40
		<hr/>
		\$12,925 15
		<hr/>

## GENERAL ROAD FUND.

Date.	No. of Voucher.	Description.	Amount.
1877.			
Jan. 27	1	Pay-roll Laborers, building shed W. D. Market,	\$6 25
	2	Pay-roll Laborers, spreading ashes on walks....	4 15
	3	Pay-roll Laborers, cleaning snow around City property.....	17 80
	4	Pay-roll Laborers, cleaning snow around City property.....	22 60
Feb. 3	5	Pay-roll Laborers, repairing W. D. Wood Yard fence, etc .....	7 25
	6	Eugene Robinson & Co., paving intersections ..	34 46
10	7	Pay-roll Laborers, repairing docks, wood pave- ment, etc.....	9 50
	8	Batchelder & Long, stone intersections.....	49 88
17	9	Pay-roll Laborers, repairing dock, etc .....	13 70
19	10	James Moloney, wood crosswalks.....	30 36
March 2	11	Pay-roll Laborers, repairing wood pavement, etc.,	28 00
	12	Mark Flanigan, cedar blocks.....	27 00
17	13	Pay-roll Laborers, repairing wood pavement, etc.,	33 86
	14	Pay-roll Laborers, cleaning snow around city property.....	51 48
19	15	George Crabbe, Inspector cutting blocks (1876),	11 00
31	16	Pay-roll Laborers, cleaning snow around city property.....	23 00
	17	Pay-roll Laborers, cleaning snow around city property.....	23 79
April 7	18	W. H. Anderson, repairing tools .....	7 90
	19	James L. Fisher, nails .....	2 41
	20	Pay-roll Laborers, repairing pavement, etc.....	6 00
21	22	Pay-roll Laborers, repairing crosswalks and intersections.....	30 88
	23	Pay-roll Laborers, repairing wood pavement....	71 63
	24	James L. Fisher, nails.....	162 93

Date.	No. of Voucher.	Description.	Amount.
April 21	25	Eugene Robinson & Co., extra grading (1876) ..	\$32 75
	26	Pay-roll Laborers, stone pavement repairs, etc..	77 63
	27	Pay-roll Laborers, repairing crosswalks, etc....	33 00
May 5	28	Pay-roll Laborers, repairing crosswalks, etc....	180 81
	29	E. Chope & Son, tools.....	12 17
	30	James L. Fisher, wheelbarrows, etc.....	6 12
	31	Pay-roll Laborers, repairs stone pavement.....	88 21
12	32	Pay-roll Laborers, labor Howard street bridge..	16 50
	33	Pay-roll Laborers, putting in culverts.....	11 50
	34	Pay-roll Laborers, repairs stone pavement.....	89 89
	35	Pay-roll Laborers, labor Howard street bridge..	79 50
	36	James S. Hardie, stone intersections.....	194 56
	37	George W. Robinson, lumber for culverts, etc.,	443 80
	38	George W. Robinson, lumber for sidewalks, etc.,	28 10
19	39	Pay-roll Laborers, repairing crosswalks.....	35 50
	40	Pay-roll Laborers, Howard street bridge.....	27 00
	41	Pay-roll Laborers, repairs stone pavement.....	88 32
	42	Pay-roll Laborers, repairs wood pavement, etc.,	257 90
	43	John Greusel & Sons, tiles Howard street bridge,	10 95
	44	Henry Glaser, first estimate Howard street bridge.....	200 00
	45	George W. Robinson, lumber for crosswalk repairs, etc.....	88 76
	46	George Buchan, stone for repairing pavement..	50 00
	47	August Benowski, sand.....	10 50
	48	George F. Case, use of horse for City Engineer,	89 75
26	49	Byram, Nuppenau & Clark, paving rams.....	8 06
	50	George W. Robinson, lumber for intersections,	23 48
	51	Pay-roll Laborers, repairing pavement.....	118 97
	52	Pay-roll Laborers, repairing Howard street bridge.....	29 50
	53	Eugene Robinson & Co., cedar blocks.....	465 30
28	54	Henry Glaser, second and final estimate, Howard street bridge.....	375 00
	55	Henry Glaser, Howard street bridge, extra labor,	19 10
	56	Peter Brennan, Inspector Howard street bridge,	30 00
29	57	Michael Haller, wheelbarrows, etc.....	4 25
	58	Tribune Company, advertising.....	26 60
	59	Tribune Company, advertising.....	2 81
June 2	60	Batchelder & Long, crosswalk stone.....	7 53
	61	E. Chope & Son, repairing tools.....	5 00

## BOARD OF PUBLIC WORKS.

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Date.	No. of Voucher.	Description.	Amount.
June 2	62	J. Dewey & Son, stakes for City Engineer.....	\$44 98
	63	James McEwan & Co., repairs to drinking fountains.....	42 18
	64	Ledbeter & Stewart, stone crosswalks.....	1,360 98
	65	James S. Hardie, stone sidewalks .....	856 63
	66	James S. Hardie, stone intersections.....	297 81
	67	Pay-roll Laborers, repairing stone pavement....	109 88
	68	Pay-roll Laborers, repairing wood pave- ment, etc .....	302 06
	69	Pay-roll Laborers, repairing stone pavement on Russell street.....	56 50
	70	Pay-roll Laborers, repairing crosswalks, etc....	39 00
9	71	Timothy Sullivan, repairing Howard street bridge.....	250 00
	72	Daily Abend Post, advertising.....	25 76
	73	James L. Fisher, nails.....	2 75
	75	Daniel Shanahan, Superintendent Howard street bridge.....	27 50
11	76	Inspector, paving streets.....	85 00
	77	Guy F. Hinchman & Co., lard oil.....	60
	78	James E. Scripps, advertising, Evening News..	40 08
16	79	Eugene Robinson & Co., cedar blocks.....	358 42
	80	James S. Hardie, stone sidewalks.....	626 56
	81	C. C. Robinson, sand for repairing wood pave- ment .....	95 95
	82	G. F. Case, use of horse for City Engineer.....	26 50
	83	Pay-roll Laborers, repairing stone pavement....	119 26
	84	Ezra Hughes, Inspector cutting blocks.....	12 00
	85	J. F. Terry, Inspector paving streets.....	7 50
	86	Pay-roll Laborers, repairing crosswalks, etc....	293 74
	87	Pay-roll Laborers, Howard street bridge.....	57 90
	88	Pay-roll Laborers, building culverts, etc.....	37 88
	89	Inspector, paving streets.....	12 50
19	90	Timothy Sullivan, second estimate, Howard street bridge .....	250 00
28	91	Conrad Keller, building wood crosswalks.....	175 99
	92	Inspector, paving alley .....	3 75
	93	James McEwan & Co., repairs drinking fountain,	3 40
	94	Timothy Sullivan, third and final estimate, Howard street bridge.....	176 50

Date.	No. of Voucher.	Description.	Amount
June 23	95	James S. Hardie, culvert platforms.....	\$11 40
	96	George W. Robinson, lumber for intersections,	372 91
	97	Ledbetter & Stewart, stone crosswalks.....	206 23
	98	Jeremiah Connor, building wood crosswalks...	579 55
	99	James S. Hardie, stone intersections.....	459 37
	100	F. D. Eatherly, lumber, Woodward avenue dock.....	28 08
	101	Inspector, paving streets.....	20 00
	102	Pay-roll Laborers, Howard street bridge .....	40 25
		Jeremiah Calnon, bill for over-assessment for paving Michigan Grand avenue, approved by resolution, June 19th, 1874.....	52 17
	30 103	Michael Bayer, Inspector street and alley paving.....	15 25
	104	Pay-roll Laborers, repairing crosswalks, etc....	39 00
	105	Pay-roll Laborers, repairing wood pavement...	333 75
	106	Pay-roll Laborers, repairing stone pavement....	106 45
	107	Ezra Hughes, Inspector streets.....	31 25
	108	Daily Abend Post, advertising.....	5 80
July 7	109	Detroit Tribune, advertising .....	11 48
	110	John Greusel & Sons, tiles for Howard street bridge.....	12 00
	111	Jeremiah Connor, wood crosswalks.....	199 88
	112	Eugene Robinson, cedar blocks ....	1,481 24
	113	John F. McMillan, extra material on streets...	70 02
	114	George F. Case, use of horse for City Engineer,	39 75
	115	George W. Robinson, lumber for intersec- tions, etc.....	89 34
	116	Pay-roll Laborers, repairing wood pavement...	39 75
	117	James L. Fisher, padlock, etc.....	3 43
	118	Batchelder & Long, crosswalk stone.....	7 25
	119	J. Dewey & Son, stakes for Engineer.....	26 00
	120	E. Chope & Son, repairing tools.....	5 23
	9 121	James S. Hardie, stone culverts.....	390 95
	122	Ezra Hughes, Inspector paving streets.....	17 50
	123	George Crabbe, Inspector paving streets.....	27 50
14	124	Conrad Keller, wood crosswalks ...	279 08
	125	E. Chope & Son, lifting jack for wagon, etc....	28 50
	126	E. Chope & Son, sprinkling wagon.....	175 00
	127	Ezra Hughes, Inspector street paving.....	15 00
	128	Frederick Bamford, painting street signs.....	1 08

Date.	No. of Voucher.	Description.	Amount.
July 14	130	Pay-roll Laborers, repairing stone pavement . . .	\$104 75
	131	Pay-roll Laborers, repairing wood pavement, etc.,	300 06
	132	Pay-roll Laborers, sprinkling streets. . . . .	9 00
	133	Pay-roll Laborers, building culverts, etc. . . . .	35 75
	21 134	A. Ladue, inspector street paving. . . . .	20 00
	135	William Buchanan, Inspector street paving. . .	18 75
	23 136	Robert Hanmer, rent of lot. . . . .	10 00
	137	James S. Hardie, stone intersections. . . . .	292 43
	138	Ezra Hughes, Inspector street paving. . . . .	15 00
	139	George Crabbe, Inspector street paving. . . . .	30 00
	140	Jeremiah Connor, plank crosswalks . . . . .	187 48
	141	Henry Struckbin, Inspector paving streets. . . .	42 50
	24 142	Pay-roll Laborers, repairing crosswalks, etc. . .	47 13
	144	Pay-roll Laborers, repairing wood pavement . .	321 19
	145	Pay-roll Laborers, repairing stone pavement . .	105 06
	146	George Crabbe, Inspector paving streets. . . . .	6 25
	147	Ezra Hughes, Inspector paving streets. . . . .	15 00
	148	William Buchanan, Inspector cedar blocks. . . .	12 00
	149	Detroit Tribune, advertising. . . . .	3 92
	150	Detroit Tribune, advertising. . . . .	8 68
	151	Cobb, Wallace & Law, stone intersections . . . .	5 88
	152	Michael McLaughlin, hauling stone . . . . .	1 50
	153	Eugene Robinson & Co., cedar blocks . . . . .	466 20
	154	Eugene Robinson & Co., cedar blocks . . . . .	424 80
	155	George W. Robinson, lumber for intersections,	292 51
	156	Jeremiah Connor, plank crosswalks . . . . .	163 09
	157	James S. Hardie, stone intersections. . . . .	507 83
	158	George A. Ross & Co., lumber for fence. . . . .	10 60
	159	Coulson & Morhous, pails, etc. . . . .	6 71
	160	A. Harvey & Son, lawn fountain. . . . .	2 50
	161	George F. Case, use of horse for City Engineer,	39 75
	162	Ezra Hughes, Inspector street paving. . . . .	15 00
	163	Conrad Keller, wood crosswalks . . . . .	287 60
Aug. 7	164	William A. Scripps, printing. . . . .	7 50
	165	Daily Abend Post, advertising . . . . .	9 50
	11 166	Jeremiah Connor, wood crosswalks. . . . .	138 12
	167	Whalen & Coughlin, removing earth. . . . .	9 00
	168	George W. Robinson, lumber for sidewalks . .	199 98
	169	G. Eden, Inspector paving streets. . . . .	87 50
	170	Henry Heames, gravel. . . . .	41 70
	171	Michael Haller, pick handles. . . . .	2 50

Date.	No. of Voucher.	Description.	Amount.
Aug. 11	172	Pay-roll Laborers, repairs stone pavement.....	\$102 18
	172½	Pay-roll Laborers, repairs crosswalks, etc.....	47 13
	173	Pay-roll Laborers, repairs wood pavement.....	346 69
	174	Ezra Hughes, Inspector street paving.....	15 00
18	175	Pay-roll Laborers, repairs wood pavement.....	70 25
	176	Ezra Hughes, Inspector street paving.....	15 00
	177	George Crabbe, Inspector cutting blocks.....	5 25
	178	Conrad Keller, wood crosswalk.....	137 86
	179	Eugene Robinson & Co., pine paving blocks...	1,129 94
	180	James S. Hardie, stone intersections.....	178 78
	181	George W. Robinson, lumber for culverts.....	67 44
	182	Ledbetter & Stewart, stone crosswalks.....	72 90
	183	Jeremiah Connor, wood crosswalks.....	178 74
25	184	C. E. Gutow & Co., sand.....	26 40
	185	Batchelder and Long, stone for crosswalks, etc.,	49 36
	186	James McEwan & Co., drinking fountains....	170 70
	187	Fleming & Hardy, pile at foot of Woodward avenue.....	22 00
	188	Timothy O'Connor, repaving over water pipes,	215 16
	189	Detroit Tribune, advertising .....	34 93
	190	Pay-roll Laborers, building culverts, etc.....	37 38
	191	Pay-roll Laborers, repairing crosswalks, etc....	320 56
	192	Pay-roll Laborers, repairing stone pavement...	85 78
	193	Henry Heames & Sons, gravel.....	19 80
	194	Jeremiah Connor, wood crosswalks.....	126 19
Sept. 3	195	Jeremiah Connor, wood crosswalks.....	165 97
	196	Carl Smith, cleaning Russell street Cemetery...	25 00
	197	Detroit Tribune, advertising.....	6 23
	198	George F. Case, use of horse, City Engineer....	39 75
	199	James S. Hardie, stone intersections.....	163 84
	200	Daily Abend Post, advertising.....	42 50
	201	George A. Ross & Co., lumber, E. D. pound...	6 65
	202	Ezra Hughes, Inspector paving streets.....	13 75
	203	George Crabbe, Inspector paving streets.....	30 00
	204	Pay-roll Laborers, making sewer E. D. pound..	7 57
	205	Pay-roll Laborers, leveling earth .....	39 00
	206	Pay-roll Laborers, putting in culverts, etc.....	46 00
7	207	William Buchanan, Inspector paving streets...	25 00
10	208	James S. Hardie, stone intersections.....	143 03
	209	Eugene Robinson & Co., cedar blocks.....	464 62
	210	James E. Scripps, printing, Evening News....	63 79

Date.	No. of Voucher.	Description.	Amount.
Sept. 10	211	Byram, Nuppenau & Clark, water trough, etc., E. D. market .....	\$18 31
	212	James L. Fisher, nails .....	50 00
	213	Conrad Keller, wood crosswalks.....	205 05
	214	Henry James, tools for City Engineer .....	1 75
	215	James L. Fisher, hardware, E. D. pound.....	1 81
	216	G. Grelling, Inspector paving streets.....	8 75
	217	Ezra Hughes, Inspector paving streets.....	12 50
	218	Pay-roll Laborers, repairing wood pavement....	111 75
	219	Pay-roll Laborers, repairing wood pavement....	194 18
	220	Pay-roll Laborers, leveling earth.....	49 15
	221	Pay-roll Laborers, repairing intersections, etc..	39 00
	222	Pay-roll Laborers, repairing intersections, etc..	49 88
	223	Pay-roll Laborers, stone pavement .....	99 98
15	224	James McGonegal, stone for pavement repairs..	21 00
	225	Louis Schreck, hauling paving blocks .....	12 00
	226	Mark Flanigan, sand and gravel.....	41 00
	227	Pay-roll Laborers, repairing wood pavement...	50 85
	228	G. Grelling, Inspector street paving.....	10 00
	229	J. Dewey & Son, stakes for City Engineer.....	45 24
	230	James McEwan & Co., repairs to drinking fountains.....	121 92
	231	George W. Robinson, lumber.....	176 68
	232	Batchelder & Long, stone crosswalks.....	71 28
	233	Eugene Robinson & Co., cedar blocks .....	382 72
	234	George Crabbe, Inspector paving streets. ....	30 00
	235	William Buchanan, Inspector paving streets...	10 00
	236	Jeremiah Connor, wood crosswalks .....	245 70
	237	James McGonegal, extra material on Bates street.....	62 55
18	238	Ledbeter & Stewart, repaving Woodward avenue,	1,466 90
22	239	Pay-roll Laborers, repairing basins, Western Dis- trict Hay Market.....	17 94
	240	Pay-roll Laborers, repairing intersections.....	39 00
	241	Pay-roll Laborers, repairing intersections .....	47 68
	242	Pay-roll Laborers, repairing wood pavement....	153 00
	243	Pay-roll Laborers, repairing stone pavement. ..	108 13
	244	Pay-roll Laborers, repairing wood pavement...	69 00
	245	Inspector, paving streets.....	30 00
	246	James S. Hardie, stone intersections.....	549 28
	247	Conrad Keller, wood crosswalks.....	201 70



Date.	No. of Voucher.	Description.	Amount.
Sept. 22	248	Robert D. Robinson, plank intersections. . . .	\$6 75
29	249	Pay-roll Laborers, leveling dirt on Lafayette street, etc. ....	18 00
	250	Pay-roll Laborers, putting in culverts. ....	49 00
	251	George Crabbe, Inspector street paving. ....	30 00
	252	Henry Langley, Inspector street paving. ....	16 25
	253	Jeremiah Connor, wood crosswalks. ....	186 14
	254	Jeremiah Connor, wood crosswalks. ....	82 69
	255	Detroit Tribune, advertising. ....	8 68
	256	Daily Abend Post, advertising. ....	15 46
Oct. 6	257	French & Hare Brothers, relaying curb on Michigan avenue. ....	5 07
	258	French & Hare Brothers, relaying pavement in gutters on Fort street. ....	2 00
	259	Paul Gies, Inspector street paving. ....	85 00
	260	George W. Robinson, lumber for culverts, etc.,	24 29
	261	George Crabbe, Inspector paving streets. ....	13 75
	262	Pay-roll Laborers, repairing wood pavement. .	85 63
	262½	Pay-roll Laborers, repairing wood pavement. .	136 75
	263	Pay-roll Laborers, building intersections, etc. .	39 00
	264	Pay-roll Laborers, building culverts, etc. ....	51 00
	265	James S. Hardie, stone intersections. ....	197 94
	266	Eugene Robinson & Co., cedar blocks. ....	390 15
	267	Israel Beniteau, Inspector paving streets. ....	20 00
	268	Ezra Hughes, Inspector paving Western District Hay Market. ....	27 50
	269	Pay-roll Laborers, repairing stone pavement. .	110 19
	270	George F. Case, use of horse for City Engineer,	39 75
	271	Thomas Lewis, sand for repairing pavement. .	48 80
	272	George W. Robinson, lumber for culverts, etc.,	203 77
	273	Conrad Keller, wood crosswalks. ....	149 03
	274	Batchelder & Long, crosswalk, stone, etc. ....	34 55
	275	William Buchanan, Inspector cutting of blocks,	9 00
	276	James McGonegal, paving W. D. hay market. .	2,727 58
18	277	James S. Hardie, stone intersections and side-walks. ....	369 54
	278	John Burgee, Inspector paving streets. ....	32 50
	279	Adam Schulte, Inspector paving streets. ....	55 00
	280	John Bigelow, Inspector paving streets. ....	17 50
	281	Hugh Moffat, lumber for culverts. ....	10 40
	282	Eugene Robinson & Co., cedar blocks. ....	179 77

## BOARD OF PUBLIC WORKS.

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Date.	No. of Voucher.	Description.	Amount.
Oct. 18	283	Jeremiah Connor, wood crosswalks.....	\$104 34
16	284	Foley & Moran, hauling dirt from Woodward avenue.....	5 00
	285	Ledbeter & Stewart, stone crosswalks.....	602 31
19	286	Pay-roll Laborers, repairing wood pavement....	74 75
	287	Pay-roll Laborers, repairing wood pavement....	134 10
	288	Pay-roll Laborers, repairing crosswalks, etc....	39 00
	289	Pay-roll Laborers, repairing culverts, etc.....	48 88
	290	Pay-roll Laborers, repairing stone pavement....	54 31
	291	Conrad Keller, wood crosswalks.....	143 36
	292	Foley & Moran, hauling dirt from Hastings street.....	18 00
	293	Robert Harmer, rent of lot, Beaubien street (3 months).....	15 00
	294	David Wilkie, repairs to asphalt pavement, Henry street.....	150 00
	295	John Shand, hinges for pound and park gate...	2 00
	296	George W. Robinson, lumber for culverts, etc.,	63 36
27	297	James S. Hardie, stone intersections and culverts,	124 67
	298	Valentine Hilsendegen, plank intersection....	5 28
	299	W. S. Penfield, tools.....	2 00
	300	Jeremiah Connor, wood crosswalks.....	92 01
Nov. 3	301	Pay-roll Laborers, repairing wood pavement....	80 60
	302	Pay-roll Laborers, repairing crosswalks.....	56 88
	303	Pay-roll Laborers, repairing crosswalks and intersections....	39 00
	304	Pay-roll Laborers, repairing wood pavement....	124 27
	305	Pay-roll Laborers, repairing stone pavement....	91 83
	306	Pay-roll Laborers, building basin E. D. Hay Market.....	14 01
	307	Pay-roll Laborers, repairing concrete and wood pavement....	83 30
	308	Henry Knowles, Inspector paving streets.....	68 75
	309	George A. Ross & Co., lumber.....	98
	310	George F. Case, use of horse, City Engineer...	39 75
	311	Daily Abend Post, advertising.....	25 12
	312	Ledbeter & Stewart, paving alley intersections,	39 00
	313	James S. Hardie, stone intersections.....	136 67
	314	E. Chope & Son, repairing tools, City Engineer,	4 35
	315	Conrad Keller, wood crosswalks.....	184 88
	316	W. H. Anderson, repairing tools.....	2 00

Date.	No. of Voucher.	Description.	Amount.
Nov. 10	817	Pay-roll Laborers, repairing Woodward avenue pavement.....	\$42 40
	818	Pay-roll Laborers, repairing Henry street pavement.....	8 10
	819	James L. Fisher, hinges and screws .....	50
	820	Jeremiah Connor, wood crosswalks.....	85 48
	821	David Wilkie, repairing asphalt pavement .....	180 00
	822	Thomas W. Corby, extra sand on Fort street...	77 30
19	823	James S. Hardie, stone intersections and culverts,	188 70
	824	James McEwan & Co., repairs drinking fountains.....	11 96
	825	George Crabbe, Inspector paving streets .....	6 25
	826	Paul Gies, Inspector paving streets.....	40 00
	827	Pay-roll Laborers, repairs stone pavement.....	71 54
	828	Pay-roll Laborers, repairs Beaubien street pavement.....	19 55
	829	William Buchanan, Inspector paving streets....	3 75
	830	Pay-roll Laborers, repairs wood pavement.....	107 33
	831	Pay-roll Laborers, repairs wood pavement.....	66 39
	832	Jeremiah Connor, wood crosswalks.....	101 40
	833	Jeremiah Connor, oak scantling .....	10 45
	834	Pay-roll Laborers, repairs intersections, etc ....	43 79
	835	Pay-roll Laborers, repairs intersections, etc ....	35 75
	836	Pay-roll Laborers, repairs Henry street pavement.....	15 75
	837	Pay-roll Laborers, repairs Woodward avenue pavement .....	19 20
	838	Ezra Hughes, Inspector paving streets.....	15 00
	839	Eugene Robinson & Co., cedar blocks.....	361 12
20	840	Ledbetter & Stewart, stone crosswalks .....	1,500 35
24	841	O'Connor & Loux, relaying pavement Beaubien street.....	36 32
	842	Conrad Keller, wood crosswalks.....	154 37
	843	George A. Ross & Co., lumber Eastern District Pound.....	1 67
	844	Ledbetter & Stewart, paving Eastern District Hay Market.....	1,441 44
	845	Bernard Foy, Inspector paving streets ....	2 50
Dec. 1	846	Pay-roll Laborers, repairs stone pavement .....	86 43
	847	Pay-roll Laborers, hauling stone from Beaubien street.....	19 45

## BOARD OF PUBLIC WORKS.

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Date.	No. of Voucher.	Description.	Amount.
Dec.	1	348 Pay-roll Laborers, repairing pavement, etc.....	\$48 85
		349 Pay-roll Laborers, repairing wood pavement. .	69 20
		350 Pay-roll Laborers, cleaning away snow and repairs.....	120 18
		351 Pay-roll Laborers, repairs to culverts, etc.....	37 50
		352 I. J. Beniteau, Inspector street paving.....	35 00
		353 Geo. A. Ross & Co., lumber.....	4 71
		354 George W. Robinson, lumber, repairs intersections and culverts.....	183 90
		355 C. C. Robinson, sand, repairs stone pavement..	79 47
		356 Batchelder & Long, stone for drinking fountains, etc.....	56 00
	8	357 Conrad Keller, wood crosswalks... ..	108 41
		358 Robert Harmer, rent of lot for storage.....	5 00
		359 T. & A. O'Connor, repaving over water pipes on Chene, between Atwater and Guoin streets.....	7 02
		360 George F. Case, use of horse for City Engineer,	37 10
		361 Daily Abend Post, advertising.....	1 94
		362 James McEwan & Co., storing, etc., drinking fountains.....	10 80
		363 Timothy O'Connor, extra work repaving Griswold street.....	1 30
		364 James S. Hardie, stone bridges.....	77 06
		365 James E. Scripps, advertising, Evening News..	41 65
		366 Detroit Tribune, advertising.....	5 67
		367 Ledbeter & Stewart, stone for repairing crosswalks.....	10 12
	17	368 David Wilkie, repairing Henry street, third estimate.....	71 73
		369 Alexander Chapoton, Jr., repairing stone sidewalk.....	8 60
		370 Ledbeter & Stewart, stone crosswalks .....	1,320 98
		371 Pay-roll Laborers, repairing stone pavement....	71 40
		372 Pay-roll Laborers, repairing wood pavement....	81 50
		373 Pay-roll Laborers, repairing crosswalks and culverts.....	41 19
		374 Pay-roll Laborers, repairing wood pavement....	97 52
		375 Pay-roll Laborers, crosswalks and intersections,	37 50
		376 Pay-roll Laborers, cleaning Eastern District Hay and Wood Market.....	29 30

Date.	No. of Voucher.	Description.	Amount.
Dec. 24	377	A. & G. Hare, taking up and relaying curb stone,	\$12 55
	378	James McGonegal, crosswalk stone.....	39 80
-	379	James S. Hardie, stone sidewalks near Opera House.....	571 70
	380	Peter Dunn, stone for repairs to streets.....	32 68
	381	Post and Tribune Co., advertising.....	16 31
1878.			
Jan. 2	382	Fred. Bamford, street signs.....	4 86
	383	Batchelder & Long, stone intersections.....	7 60
	384	George W. Robinson, lumber intersections.....	38 33
	385	James S. Hardie, stone intersections.....	16 15
	386	Pay-roll Laborers, putting in culverts.....	10 10
	387	Pay-roll Laborers, repairs to wood pavement...	75 49
	388	Pay-roll Laborers, repairs to wood pavement...	69 25
	389	Pay-roll Laborers, repairing crosswalks, inter- sections, etc.....	31 63
	390	Pay-roll Laborers, repairing crosswalks, inter- 'sections, etc.....	43 04
	391	Pay-roll Laborers, repairing stone pavement...	79 39
Feb. 3	392	Pay-roll Laborers, cleaning snow from City Hall Market.....	43 29
		I. Goodrich, assessment refunded on triangular lot, resolution of Common Council, March 13th, 1877.....	17 45
		Mrs. S. F. Howard, taxes refunded paving Clif- ford street, resolution Common Council Sept. 4th, 1874.....	99 92
		James Daly, City Collector, paving Grand River avenue, opposite Cass Market....	48 91
		James Daly, City Collector, paving Grand River avenue, opposite Cass Market.....	146 70
		James Daly, City Collector, paving Ninth ave., George Brown, over assessment on triangular lot, approved by Common Council Septem- ber 4th, 1874.....	361 66
		Detroit Tribune, advertising.....	14 06
		Jonathan Price, abatement of paving assessment on triangular lot, September 4th, 1874....	13 93
		City proportion for paving Michigan avenue, parts one, two, three and four, R. E. Roberts,	37 12
		Intersections.....	443 96
			17,614 38

## BOARD OF PUBLIC WORKS.

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Date.	No. of Voucher.	Description.	Amount.
Feb. 3	393	Pay-roll Laborers, repairs to crosswalks.....	\$2 00
	394	Pay-roll Laborers, cleaning snow around city property.....	9 90
	395	Pay-roll Laborers, cleaning snow and piling stones.....	9 50
	396	Pay-roll Laborers, repairs wood pavement.....	9 38
	397	Pay-roll Laborers, repairs stone pavement.....	14 60
	398	Pay-roll Laborers, repairs culverts and cross- walks.....	8 33
	399	Pay-roll Laborers, repairs wood pavement.....	13 26
	400	Ledbeter & Stewart, extra labor, Jefferson ave.,	102 58
	401	Ledbeter & Stewart, sand, Congress street.....	54 90
	402	Fleming & Hardy, piles at foot Riopelle street..	20 00
	403	Pay-roll Laborers, cleaning snow from city property.....	9 30
	404	James McEwan & Co., taking down drinking fountains....	2 55
	405	Pay-roll Laborers, cleaning snow from city property.....	7 50
	406	Pay-roll Laborers, cleaning snow from city property.....	6 30
		Abatement of Taxes, resolution Common Coun- cil December 7th.....	37 85
		Abatement of Taxes, resolution Common Coun- cil December 7th....	7 38
		Abatement of Taxes, resolution Common Coun- cil December 7th.....	22 00
		Abatement of Taxes, resolution Common Coun- cil December 7th.....	33 54
		Abatement of Taxes, resolution Common Coun- cil December 7th.....	16 26
		Abatement of Taxes, resolution Common Coun- cil December 7th.....	28 45
			<u>\$63,868 97</u>

# GENERAL ROAD FUND.

Condensed Statement, showing for what purposes Expenditures  
were made.

Labor, repairing wood pavement...	\$4,617 98	
Cedar blocks for wood pavement.....	6,143 28	
Inspector cutting blocks for pavement.....	37 25	
Sand and gravel for pavement.....	198 45	
Hauling paving blocks for pavement.....	12 00	
		<u>\$11,008 96</u>

## ABUTMENTS FOR HOWARD STREET BRIDGE.

Tiles.....	\$23 55	
Contracts.....	1,151 50	
Inspector.....	57 50	
Labor.....	278 50	
		<u>1,511 05</u>
Labor, repairing stone pavement.....	\$3,184 65	
Stone for repairs to stone pavement.....	106 68	
Sand for repairs to stone pavement.....	247 62	
		<u>2,488 95</u>

## REPAIRING WOOD CROSSWALKS.

Labor.....	\$362 17	
Lumber.....	521 60	
		<u>1,883 77</u>

## INTERSECTION SIDEWALKS (WOOD).

Labor.....	\$280 74	
Lumber.....	1,090 44	
		<u>1,371 18</u>

## REPAIRING WOOD SIDEWALKS.

Labor.....	\$145 10	
Lumber.....	287 27	
		<u>\$432 37</u>

## CULVERTS (WOOD).

Labor .....	\$433 78	
Lumber .....	851 97	
		<u>785 70</u>
Stone crosswalks. . . . .		5,195 29
Stone sidewalks. . . . .		1,920 48
Stone intersection sidewalks. . . . .		8,470 48
Stone culverts. . . . .		504 07
Plank crosswalks. . . . .		4,704 92
Labor, spreading ashes and cleaning snow. . . . .		246 72
Building sheds, Hay Markets, lumber and labor. . . . .		27 25
Labor, repairing fences. . . . .		35 48
Labor, repairing docks. . . . .		61 01
Labor, grading streets. . . . .		141 15
Labor, extra grading, 1876. . . . .		82 75
Labor, sprinkling streets. . . . .		9 00
Paving intersections (extra). . . . .		73 46
Tools and repairing. . . . .		50 46
Nails. . . . .		218 09
Wheelbarrows, etc. . . . .		9 50
Padlocks, etc., for Pounds. . . . .		8 11
Advertising and printing. . . . .		398 70
Stakes for Engineer (City). . . . .		116 22
Drinking fountains and repairs. . . . .		451 90
Inspectors of paving streets. . . . .	\$950 13	
Inspectors of paving alleys. . . . .	11 37	
		<u>961 50</u>
Lumber for Woodward avenue dock. . . . .		28 08
Abatement of assessments. . . . .		928 47
Extra material, etc., for paving. . . . .		290 05
Horse for City Engineer. . . . .		302 10
Labor, cutting down tree. . . . .		3 25
Pails, etc. . . . .		6 71
Labor, repairing Wight street bridge. . . . .		6 50
Lifting jack for sprinkling wagon. . . . .		28 50
Sprinkling wagon. . . . .		175 00



Lawn fountain .....	\$2 50
Street signs, painting, etc. ....	5 94
Rent of lot for storage purposes. ....	30 00
Pick handles. ....	2 50
Labor, repairing Pounds, building sheds, etc. ....	31 69
Labor and Sewer pipe, Eastern District Pound. ....	13 34
Cleaning Russell street Cemetery. ....	29 00
Water trough, Eastern District Hay Market .....	13 81
Stone for Western District Hay Market. ....	2 40
Paving Western District Hay Market. ....	\$2,727 58
Paving Western District Hay Market, Inspector. ....	42 50
	<hr/>
	2,770 08
Paving Eastern District Hay Market. ....	1,441 44
Lumber for fence in Eastern District Hay Market. ....	10 40
Repairing asphalt pavement. ....	459 48
Intersection sidewalks, 1876. ....	5 28
Basin in Eastern District Hay Market. ....	30 90
Lumber for Russell street Cemetery. ....	3 87
Labor, cleaning Hay and Wood Markets. ....	29 30
Labor, relaying curb stone. ....	19 62
City proportion paving Michigan avenue. ....	443 96
Paving intersections. ....	17,614 38
Repaving Woodward avenue, between Grand Circus Parks. ....	1,466 90
Labor, repairing basin, Western District Hay Market. ....	15 25
	<hr/>
	<u>\$63,868 97</u>

## PARK IMPROVEMENT FUND.

Date.	No. of Voucher.	Description.	Amount.
1877.			
March 2	1	Pay-roll Laborers, grading Macomb Park.....	\$11 98
17	2	Pay-roll Laborers, grading Macomb Park.....	3 50
April 14	3	Pay-roll Laborers, labor on Macomb Park.....	29 20
21	4	Pay-roll Laborers, labor in East Grand Circus Park .....	85 22
	5	James Maloney, sods for Macomb Park.....	4 26
28	6	Foley & Moran, gravel for Macomb Park.....	20 00
	7	Pay-roll Laborers, East Grand Circus Park.....	91 10
May 5	8	Pay-roll Laborers, East Grand Circus Park.....	93 25
12	9	Pay-roll Laborers, East Grand Circus Park.....	133 88
	10	Deans, Brow & Godfrey, painting in Parks ....	22 83
19	11	Pay-roll Laborers, East Grand Circus Park.....	139 00
	12	John Greusel & Sons, tiles East Grand Circus Park .....	40 50
	13	Mark Flanigan, gravel East Grand Circus Park,	68 00
	14	Galvin Bros. & Co., lawn sprinkler.....	6 75
26	15	Pay-roll Laborers, labor on Parks.....	109 00
	16	Mark Flanigan, gravel East Grand Circus Park,	48 00
28	17	Detroit Seed Co., grass seed East Grand Circus Park .....	1 75
29	18	John Mercier, sods East Grand Circus Park ...	72 77
June 2	19	Batchelder & Long, sewer pipe East Grand Circus Park.....	22 04
	20	E. H. Moreton, moving trees....	2 25
	21	Pay-roll Laborers, East Grand Circus Park.....	69 25
9	22	Mark Flanigan, gravel East Grand Circus Park,	34 08
	23	James L. Fisher, hinges Cass Park.....	40
	24	W. S. Penfield, lawn settees East Grand Circus Park .....	66 00

Date.	No. of Voucher.	Description.	Amount.
June 9	25	Pay-roll Laborers, repairs to Parks .....	\$37 50
	25	26 Boydell Brothers, paint.....	8 84
		27 James McEwan & Co., plumbing.....	37 64
		28 Cobb, Wallace & Law, repairs to fountain East Grand Circus Park.....	9 08
		29 E. Ferrand, trees.....	13 80
		30 Pay-roll Laborers, Parks.....	47 19
July 7	31	Pay-roll Laborers, Parks.....	44 25
	32	Deans, Brow & Godfrey, painting fountains....	46 66
	23	33 Pay-roll Laborers, Parks.....	45 00
	28	34 W. S. Penfield, tools.....	33 10
Aug. 4	35	Pay-roll Laborers, Parks.....	48 00
	18	36 Pay-roll Laborers, Parks.....	40 33
	25	37 James McEwan & Co., repairs West Park foun- tain .....	8 90
	28	38 William Adair, trees .....	5 70
Sept. 3	39	Pay-roll Laborers, repairs in Parks.....	41 25
	10	40 Byram, Nuppenau & Clark, ash seat slat.....	30
	15	41 Pay-roll Laborers, Parks.....	35 50
		42 James McEwan & Co., repairing fountain Central Park .....	4 19
	29	43 Pay-roll Laborers, labor on Parks .....	42 50
Oct. 18	44	Pay-roll Laborers, labor on Parks .....	49 75
	27	44½ Pay-roll Laborers, labor on Parks .....	55 13
		45 W. S. Penfield, repairing tools.....	10 40
Nov. 3	46	E. Chope & Son, iron for reel, Cass Park.....	1 00
		47 Pay-roll Laborers, building sewer for urinals..	24 25
	10	48 Pay-roll Laborers, labor on Parks .....	45 76
		49 James L. Fisher, springs and screws Fifth street Park... ..	55
	19	50 James McEwan & Co., urinals .....	621 23
		51 Watson & Masterton, sods for Parks .....	37 68
	24	52 Mark Flanigan, gravel.....	10 00
		53 J. McGoldrick & Co., lumber for Parks.....	5 01
		54 Watson & Masterton, sods for West Grand Circus Park.....	84
		55 Beyster & Co., lumber fountain covers.....	25 42
		56 Pay-roll Laborers, labor on Parks .....	32 50
Dec. 1	57	Pay-roll Laborers, labor on Parks .....	7 50
		58 Lasier & Co., water lime (urinals).....	1 48
	8	59 James L. Fisher, screws, fountain covers.....	1 50

## BOARD OF PUBLIC WORKS.

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Date.	No. of Voucher.	Description.	Amount.
Dec. 8	60	Batchelder & Long, sewer pipe Grand Circus Park .....	\$37 06
17	61	Batchelder & Long, sewer pipe Grand Circus Park .....	23 22
1878.			
Jan. 2	62	Deans, Brow & Godfrey, painting board and urinals .....	10 72
		Frank Leskie, amount uncalled for on roll, 1876,	50
			<u>\$2,666 24</u>

# PARK IMPROVEMENT FUND.

Condensed Statement, showing for what purposes Expenditures were made.

## EAST GRAND CIRCUS PARK.

Labor.....	\$627 20	
Tiles.....	40 50	
Gravel.....	222 85	
Grass seed .....	1 75	
Sewer pipe. ....	23 04	
Repairing fountain.....	9 08	
Lawn settees.....	68 00	
		<u>\$989 43</u>

## MACOMB PARK.

Labor.....	\$44 68	
Sods and gravel.....	24 26	
		<u>68 94</u>
Painting fountain covers, etc., in parks.....		73 68
Lawn sprinkler ...		6 75
Labor in parks ..		615 66
Repairing fountain in Central Park.....		4 19
Sods for parks....		37 68
Gravel for parks.....		10 00
Lumber for fountain covers.....		26 92
Urinals.....	\$622 71	
Urinals, labor connecting sewer.....	24 25	
Urinals, sewer pipe.....	60 28	
Urinals, painting.....	10 87	
		<u>717 61</u>

## WEST GRAND CIRCUS PARK.

Repairing fountain.....	\$4 20	
Sods .....	84	
		<u>\$5 04</u>

## CASS PARK.

Hinges, etc.....	\$ 40	
Lumber .....	90	
	<hr/>	\$1 80

## FIFTH STREET PARK.

Door spring.....	\$ 55	
Lumber .....	4 11	
	<hr/>	4 66
Moving tree.....		2 25
Plumbing in parks.....		37 64
Tools, etc.....		44 50
Amount uncalled for, 1876....		50
Trees.....		19 50
		<hr/>
		<u>\$2,666 24</u>

## PUBLIC BUILDING FUND.

Date. 1877.	No. of Voucher.	Description.	Amount.
Jan. 29	1	Alexander Chapoton, Jr., repairing stone pavement, Cass Market.....	\$3 94
	2	Holmes & Webster, slop sink, City Hall.....	8 30
	3	Marcus Stevens & Co., furniture, Council Chamber....	158 00
Feb. 10	5	Philbrick, Christie & Co., grates, City Hall basement .....	17 64
	6	Byram, Nuppenau & Clark, repairing City Hall offices .....	6 95
March 2	7	James L. Fisher, padlock, etc., Central Market,	1 48
	8	Byram, Nuppenau & Clark, repairs in City Hall,	25 09
	19	James McEwan & Co., plumbing, City Hall....	60 56
	31	J. B. Wilson, steel shaft for City Hall clock....	6 50
April 7	11	Byram, Nuppenau & Clark, desk for Gas Inspector's office .....	17 90
May 12	12	Deans, Brow & Godfrey, glazing and painting in City Hall.....	7 08
	26	Byram, Nuppenau & Clark, repairs in City Hall,	128 78
	15	H. R. Roberts, repairs to roof of City Hall... .	35 25
June 2	16	James J. Martin, painting at City Hall.....	204 00
	17	Byram, Nuppenau & Clark, repairs in City Hall,	3 78
	18	James McEwan & Co., plumbing in City Hall..	35 35
	9	James L. Fisher, screws for City Hall....	15
	20	Holmes & Webster, repairs to roof of City Hall,	57 90
	21	James E. Scripps, advertising in Evening News,	2 45
	25	Boydell Brothers, paint, etc., for City Hall foundations.....	13 45
	23	James McEwan & Co., repairs in City Hall....	3 72
	24	F. D. Eatherly, lumber.....	4 00

Date.	No. of Voucher.	Description.	Amount.
July 7	25	Coulson & Morhous, drinking cups for City Hall Market.....	\$3 60
	26	Deans, Brow & Godfrey, painting in City Hall,	14 12
	14 27	Byram, Nuppenau & Clark, repairs in City Hall,	6 66
	28 28	W. S. Penfield, tools.....	17 39
Aug. 18	29	Charles S. Jack, gas pipe for City Hall tower...	65 90
	25 30	H. R. Roberts, repairs to Central Market roof..	37 25
Sept. 29	31	Philbrick, Christie & Co., grates for City Hall heaters.....	66 36
Oct. 18	32	William Schulthies, marble mantels for Controller's office.....	55 00
	33	Galvin Brothers & Co., packing nuts for registers in City Hall.....	5 30
	19 34	Deans, Brow & Godfrey, lettering signs "water closets," in City Hall.....	75
	27 35	M. Limbach, lock for City Assessor's office....	1 13
Nov. 3	36	E. Chope & Son, iron rods for City Hall Engineer.....	1 00
	10 37	James L. Fisher, door spring for Board of Public Works office.....	35
	19 38	James McEwan & Co., plumbing in City Hall..	18 81
	24 39	F. Borchard, book case for Treasurer's office...	95 00
Dec. 1	40	Lasier & Co., lime for City Hall basement.....	1 48
	41	Pay-roll Laborers, relaying concrete pavement in basement of City Hall.....	2 85
	8 42	James L. Fisher, screws, etc.....	5 50
	17 43	Alexander Chapoton, Jr., mason's work in City Hall.....	92 58
	44	Byram, Nuppenau & Clark, repairs to water closets in City Hall.....	71 93
	45	James McEwan & Co., plumbing in City Hall..	58 79
	46	William A. Wayne, iron braces for offices in City Hall.....	1 50
	31 47	James L. Fisher, nails. ....	18
1878.			
Jan. 2	48	Deans, Brow & Godfrey, glass for Eastern District Hay Market.....	95
		Ducharme, Fletcher & Co., bench vice for City Hall Engineer.....	5 75
		Jas. Nall, Jr., & Co., carpets for Recorder's Court room.....	184 18



Date.	No. of Voucher.	Description.	Amount.
Jan. 7	49	Geo. Ross & Co., lumber for water closets in City Hall.....	\$3 00
	50	Reid & Hills, glazing in City Hall tower. ....	2 15
19	51	Byram, Nuppenau & Clark, sash cord for Re- corder's Court.....	2 75
	52	James McEwan & Co., repairing rain conductor in City Hall Market.....	7 70
	53	John F. Weber & Co., lumber for Eastern Dis- trict Pound .....	13 39
			<u>\$1,645 47</u>

## PUBLIC BUILDING FUND.

Condensed Statement, showing for what purposes Expenditures were made.

Furniture for Council Chamber .....	\$158 00
Repairing offices in City Hall .....	314 89
Repairs in basement City Hall .....	89 23
Repairing water closets, City Hall.....	74 93
Plumbing in City Hall.....	112 95
Painting corridors, City Hall.....	204 00
Repairing roof, City Hall.....	93 15
Grates for heating apparatus .....	84 00
Repairing heating apparatus .....	6 30
Slop sink, City Hall.....	8 30
Lumber for Engineer City Hall .....	4 00
Tools for Engineer City Hall.....	23 14
Gas pipes and glass for City Hall tower.....	68 05
Carpet, etc., for Recorder's Court room .....	186 93
Shaft for City Hall clock .....	6 50
Locks, etc., City Hall.....	8 39
Desk for Gas Inspector.....	17 90
Lettering sign water closet.....	75
Book case Controller's office .....	95 00
Painting City Hall fountains.....	13 45
Advertising.....	2 45
Repairing Central Market.....	58 82
Glass for Eastern District Hay Market.....	95
Lumber for Eastern District Pound. ....	13 89
	<u>\$1,645 47</u>

## PUBLIC

STREETS—FROM AND WHERE TO.	CONTRACTORS.	Length, Lineal Feet.	Cost per Foot.	Total Cost.
Berlin street, from McDougall to Gratiot avenue .....	Anton Dettloff .....	959	\$ 65	\$623 35
Scott street, from Chene to Dubois street...	Ostrowski & Hildebrant ..	625	56	350 00
Ash street, from Fourteenth avenue to alley east of Sixteenth street .....	J. & J. Dettloff .....	496	53	263 94
Magnolia street, sec. one, from Eighteenth street to Maybury avenue .....	J. & J. Dettloff .....	1,344	74	994 56
Magnolia street, section two, from Tillman avenue to alley west of Mt. Hope avenue, Gratiot avenue, from McDougall avenue to Bloody Run ditch .....	Wagner & Mazein .....	1,125	47	528 75
	Wagner & Mazein .....	2,442	1 57	3,833 94
Rivard street, from Franklin to Fort street,	Henry Collins .....	1,519	8 97	6,080 43
Fort street, from Rivard to Russell street..	Jeremiah Connor .....	557	2 29	1,275 53
Congress and Bates streets, from Griswold street to alley north of Michigan Grand avenue .....	Thomas Jaynes .....	1,149	3 45	3,964 05
Clifford street, Washington avenue and Park street .....	Jeremiah Connor .....	2,067	2 43	5,071 41
Clifford and John R Streets, from Griswold to Elizabeth street .....	Charles Reinfeldt .....	1,884	2 21	4,163 64
Crawford street, section one, from north line of Hancock avenue to a point 2,000 feet north .....	Urledge & Bristow .....	2,000	2 39	4,780 00
Crawford street, section two, from a point 2,000 feet north of Hancock avenue to north line of Holden Road .....	August Zander .....	2,396	2 20	5,265 20
Beaubien street, section one, from Fremont street to a point 1,000 feet north of Fre- mont street .....	Kies & Schneider .....	1,037	2 53	2,649 66
Beaubien street, section two, from a point 1,000 feet north of Fremont street to north line of Farnsworth street .....	Henry Collins .....	1,285	2 53	3,251 05
Williams avenue, from north line of Myrtle street to north line of railroad .....	August Zander .....	2,630	1 79	4,707 70
Eleventh street, from a culvert in Fort street to a point about 150 feet south....	August Zander .....	106	2 18	231 08
Eleventh street .....	.....	52	3 00	156 00
Sixteenth street, from Buchanan street to north line of Grand River avenue .....	J. & J. Sullivan .....	1,660	2 70	4,482 00
Holden Road, to connect Woodward avenue sewer with Cass avenue sewer .....	Wagner & Mazein .....	591	58	342 78
Third avenue, from Warren to Merrick avenue .....	Henry Collins .....	882	2 61	2,302 02
Fremont street, section one, from Riopelle to Hastings street .....	Kies & Schneider .....	1,661	4 56	7,574 16
Fremont street, section two, from Hastings to Beaubien street .....	Kies & Schedler .....	1,190	4 29	5,105 10
Fremont street, section three, from Beau- bien to John R street .....	Jaynes & Buchan .....	1,060	3 67	3,863 60
Sewer, between Holden Road and railroad track, from Cass to Woodward avenue ...	August Zander .....	490	74	362 60

## SEWERS.

Receiv'g Basins		Manholes.		Water Lime.		Inspectors.	Sewer Pipe.	Extras.	Grand Total.
No.	Cost.	No.	Cost.	Bbls.	Cost.				
6	\$116 36	.....	.....	108	\$79 92	\$31 50	\$18 00	.....	\$369 18
3	49 92	.....	.....	58	39 22	22 00	12 00	.....	488 14
4	37 47	.....	.....	42	31 08	35 00	8 00	.....	375 49
6	56 19	1	35 00	131	96 94	70 00	24 00	.....	1,276 69
10	110 76	.....	.....	144	106 56	56 25	44 00	.....	846 32
12	217 90	4	132 00	535	395 90	135 00	52 00	.....	4,786 74
.....	.....	2	130 00	800	562 00	178 50	.....	.....	6,980 98
.....	.....	1	25 00	215	159 10	36 00	.....	.....	1,495 68
.....	.....	8	60 00	456	337 44	147 00	.....	\$15 00	4,523 49
.....	.....	4	132 00	1,083	764 42	106 50	.....	135 20	6,209 53
.....	.....	3	140 00	1,008	745 92	185 00	76 50	.....	5,311 06
8	105 74	2	50 00	689	509 86	120 00	96 00	56 60	5,718 20
16	270 94	2	100 00	1,151	851 74	115 00	56 00	5 00	6,603 88
6	100 53	1	40 00	424	313 76	42 00	2 00	.....	3,147 95
2	34 38	4	140 00	598	442 52	127 50	18 00	2 00	4,015 95
14	129 72	2	70 00	980	725 20	112 50	46 00	.....	5,791 12
.....	.....	1	35 00	140	103 60	25 00	.....	21 68	572 36
3	55 73	2	60 00	571	422 54	128 50	16 00	40 00	5,204 77
10	297 67	.....	.....	58	42 92	32 50	21 00	1 50	738 37
6	120 06	1	40 00	382	282 68	141 00	8 00	.....	2,908 76
8	117 63	2	156 00	1,206	892 44	230 02	6 00	.....	8,976 25
8	108 46	3	210 00	306	596 44	140 00	.....	.....	6,155 00
8	96 47	2	70 00	666	492 84	261 00	.....	.....	4,883 91
.....	.....	.....	.....	75	55 50	80 00	.....	.....	448 10

## PUBLIC SEWERS—

STREETS—FROM AND WHERE TO.	CONTRACTORS.	Length, Lineal Feet.	Cost per Foot.	Total Cost.
Twenty-fourth street, from Lafayette avenue to Labrosse street.....	William Becht.....	1,177	\$3 81	4,484 37
Mt. Elliott avenue, from Fort street to Cemetery.....	Anton Dettloff.....	810	1 65	1,336 50
Cass avenue, from the north line of the railroad to a point within 100 feet south of the city limits.....	Wagner & Mazein.....	807	1 43	1,154 01
Labrosse street, between Twenty-fourth and Twenty-third streets.....	Anton Dettloff.....	530	54	286 30
Locust street, from Fifth street to Trumbull avenue.....	Jaynes & Buchan.....	1,644	1 43	2,350 92
Riopelle street, from the north line of Malden Lane to Superior street.....	Ferdinand Porath.....	547	85	464 95
John R street, from Fremont street to the north line of the alley between Fremont and Helen Streets.....	Jaynes & Buchan.....	214	2 73	584 23
		36,988		\$62,973 73

In addition to the sewer proper, the following amounts were expended and charged to the Public Sewer Fund:

Advertising for Proposals, etc..... \$133 31

## CONTINUED.

Receiv'g Basins		Manholes.		Water Lime.		Inspectors.	Sewer Pipe.	Extras.	Grand Total.
No.	Cost.	No.	Cost.	Bbls.	Cost.				
2	\$34 19	1	\$30 00	840	\$321 60	\$304 00	\$16 00	....	\$5,380 16
6	75 64	1	30 00	337	241 98	62 00	11 00	.....	1,737 12
5	70 25	1	25 00	337	249 38	97 50	34 00	.....	1,630 14
4	44 79	.....	.....	54	38 96	.....	16 00	.....	386 95
.....	.....	2	110 00	305	225 70	121 00	2 00	\$15 00	2,824 62
2	35 63	1	25 00	82	60 68	32 50	8 00	.....	626 76
.....	.....	.....	.....	105	77 70	51 00	.....	.....	712 92
149	\$2,281 98	46	\$1,845 00	14,321	\$10,597 54	\$3,085 77	\$590 50	\$291 98	\$101,566 44

## STREETS PAVED DUR-

NAMES OF STREETS.	NAMES OF CONTRACTORS.	KIND OF PAVEMENT.	Width, Feet.		Length, Feet.
			Wood	Stone	
Abbott street, from south curb line of Michigan avenue to east curb line of Fifth street.....	James McGonegal ...	Combination..	16	12	1,498.81
Duffield street, from east line of Park street to east curb line of Cass avenue.....	J. F. McMillan .....	Cedar Block..	24	....	560.65
Warren avenue, from east curb line of Woodward ave. to west curb line of John R. street.	J. F. McMillan.....	Combination..	14	10	632
West Park Place, from north line of State street to south curb line of John R. street.....	J. F. McMillan.....	Cedar Block..	25	....	418.77
Griswold street, from north curb line of Grand River avenue to south curb line of Clifford st.,	J. F. McMillan.....	Combination..	13	12	337.61
Orleans street, from the south curb line of Gratiot avenue to the south line of Jay street....	James McGonegal....	Combination..	16	12	298.98
Charlotte avenue, from west curb line of Cass avenue to the east curb line of Third avenue.	James McGonegal....	Combination..	16	12	1,284.30
Lewis street, from the west line of Cass street to the east curb line of Fourth street.....	J. F. McMillan.....	Combination..	14	10	1,397.67
Brush street, from the north curb line of Lafayette street to the south line of Clinton street..	Ledbeter & Stewart..	Combination..	14	10	794.68
Griswold street, from the north line of Fort st. to the south curb line of Michigan avenue....	James McGonegal....	Cedar Block..	60	....	341.30
Michigan avenue, from the west curb line of Woodward avenue to the west line of the Forsyth farm.....	E. S. DeGolyer.....	Cedar Block..	66	....	3,896.78
Maple street, from the east curb line of Russell street to the west curb line of St. Aubin ave..	J. F. McMillan.....	Combination..	16	10	1,911.58
Woodward avenue, from a point 1,000 feet north of the Holden Road to the south boundary line of the Detroit & Bay City R. R. track.	Ledbeter & Stewart..	Cedar Block..	50	....	1,336.11
Fort street, from the west line of Griswold street to the west curb line of Fifth street.....	Thomas W. Corby....	Cedar Block..	44	....	2,839.48
Campbell street, from the west curb line of Woodward avenue to the east curb line of Cass avenue.....	J. F. McMillan.....	Cedar Block..	28	....	955.99
Jefferson avenue, from the east line of Cass street to the west curb line of Second street..	Ledbeter & Stewart..	Cedar Block..	80	....	890
Second avenue, from the north curb line of Bagg street to the south curb line of Alexandrine avenue.....	Ledbeter & Stewart..	Cedar Block..	80	....	2,837
Congress street, from the east line of Woodward avenue to the west curb line of Randolph st.,	Ledbeter & Stewart..	Combination..	28	12	692
Monroe avenue, from the east line of Woodward avenue to the west curb line of Randolph st.,	James McGonegal....	Cedar Block..	80	....	700.94
Bates street, from the south curb line of Jefferson ave. to the north curb line of Atwater st.,	James McGonegal....	Cedar Block..	32	....	445
Macomb street, from the east curb line of St. Antoine street to the west curb line of Russell street.....	J. F. McMillan.....	Combination..	16	12	1,749.05
Randolph street, from the north curb line of Jefferson avenue to the south curb line of Fort street.....	Peter Dunn.....	Cedar Block..	40	....	849.86
Randolph street, from the south curb line of Fort street to the north curb line of Croghan street.....	J. F. McMillan.....	Cedar Block..	36	....	734.42
Randolph street, from the north curb line of Croghan street to the south curb line of Gratiot avenue.....	J. F. McMillan.....	Cedar Block..	40	....	875.50

## ING THE YEAR 1877.

Curbstone.		Excavation. Cubic Yards.	Sq. Yards of Paving.		Crosswalks.		Railway Material.	Inspectors.	Assessments.	Intersections.	Total Cost.
New. Lineal ft.	Old. Lineal ft.		Wood.	Stone.	New. Sq. feet.	Old. Sq. feet.					
3,087.73	.....	2,938	2,816	1,850	.....	.....	.....	\$35 00	\$4,584 62	\$373 49	\$4,943 11
1,049.81	.....	659	1,495	.....	.....	.....	.....	20 00	1,141 32	322 24	1,468 56
1,224	.....	1,332	1,024	661	.....	.....	.....	7 50	1,717 46	149 18	1,874 14
847	.....	603	1,221.52	.....	.....	.....	.....	15 00	570 13	639 62	1,224 75
693.84	.....	624	711.34	414.25	.....	.....	.....	10 00	1,110 53	95 26	1,215 79
506.06	.....	488	606	807	219	.....	.....	7 63	763 90	309 77	1,081 30
2,428.60	.....	1,879	2,476	1,519	.....	.....	.....	87 50	3,520 19	523 84	4,081 53
2,553.84	.....	1,737	2,578	1,155	.....	.....	.....	20 00	3,355 55	477 47	3,853 02
1,495.37	.....	1,325	2,275	844	.....	.....	.....	41 25	2,211 97	219 25	2,472 47
180.18	.....	140	1,901	.....	300	735	.....	12 50	194 86	358 35	5 5 71
2,677.62	3,851.36	.....	21,737	.....	3,696	2,722	.....	138 75	10,435 01	4,549 06	15,122 82
2,746.62	.....	2,776	3,507	2,015	.....	.....	.....	42 50	5,772 60	314 31	6,129 41
2,426.22	.....	2,219	6,641	.....	.....	.....	.....	72 50	5,840 26	119 15	6,031 91
1,800 40	3,151.57	.....	11,996	.....	.....	.....	665 99	103 75	5,206 38	2,150 79	8,126 91
1,637.18	.....	1,372	2,664	.....	.....	.....	.....	18 75	2,305 11	190 62	2,514 48
201	916	.....	4,601	.....	529	324	.....	26 25	1,108 18	450 21	1,584 64
5,251	.....	6,365	9,456	.....	.....	.....	.....	68 75	7,318 22	1,585 09	8,967 06
920.86	343.29	.....	1,573.11	752.66	.....	.....	.....	21 25	691 43	420 63	1,133 31
856.77	606.52	.....	7,283.03	.....	1,427	598	205 80	55 00	1,527 42	991 43	2,779 65
401	481	.....	1,531	.....	456	.....	.....	.....	468 05	205 98	664 03
3,517.11	.....	2,532	3,198	2,243	.....	.....	.....	32 50	4,666 69	195 47	4,894 66
271	1,120	.....	4,939	.....	561	665	.....	40 00	919 40	763 55	1,732 95
181	902.12	.....	2,435	.....	470	65	94 64	25 00	635 08	620 60	1,435 33
118.96	206.83	.....	1,137	.....	.....	621	72 25	10 00	140 93	263 00	485 18



## STREETS PAVED—

NAMES OF STREETS.	NAMES OF CONTRACTORS.	KIND OF PAVEMENT.	Width, Feet.		Length, Feet.
			Wood.	Stone.	
Woodward avenue, from the south curb line of Williams and Park streets to the north line of Adams avenue.....	Ledbeter & Stewart.	Combination..	64	12	477.20
Michigan avenue, from the west line of the Forsyth Farm to the west line of Seventh street.....	J. F. McMillan .....	Cedar Block..	56	....	706
Campus Martius, in front of lots 48 to 46, Sec. 7, Governor and Judges' Plan, from the east line of Woodward avenue to the west curb line of Monroe avenue .....	James McGonegal...	Cedar Block..	40	....	161.65
Columbia street, from the east curb line of John R street to the west curb line of Brush street .....	Ledbeter & Stewart	Cedar Block..	26	....	422.94
Parsons street, from the west curb line of Woodward avenue to the east curb line of Cass avenue.....	J. F. McMillan.....	Combination..	16	12	881.92
Congress street, from the west curb line of Randolph street to the west curb line of Rivard street. ....	Peter Dunn.....	Combination..	24	12	2,561.49
Bronson street, from the east line of Russell street to the west curb line of Riopelle street, Eastern District Haymarket .....	Ledbeter & Stewart..	Cobble Stone..	....	24	464.24
Western District Haymarket, west 100½ feet of east ¼.....	Ledbeter & Stewart..	Cobble Stone..	....	....	.....
	James McGonegal....	Cobble Stone..	....	....	.....
					32,720.21

## CONTINUED.

Curbstone.		Excavation. Cubic Yards.	Sq. Yards of Paving.		Crosswalks.		Railway Material.	Inspectors.	Assessments.	Intersections.	Total Cost.
New. Lineal ft.	Old. Lineal ft.		Wood.	Stone.	New. Sq. feet.	Old. Sq. feet.					
760	.....	806	2,560	686	300	400	\$163 25	.....	.....	\$1,219 70	\$1,382 95
.....	1,398.82	.....	2,972	.....	128	489	.....	\$20 00	\$1 308 94	220 81	1,554 25
159	.....	.....	781	.....	.....	461	.....	10 00	107 80	160 01	277 81
959.85	.....	674	1,895	.....	.....	.....	.....	6 25	1,296 61	81 96	1,364 82
1,728.85	11.20	1,468	1,622	1,120	.....	.....	.....	17 50	2,280 61	160 55	2,458 66
1,760.06	8,097	.....	7,507	2,976	1,068	1,350	.....	35 00	3,760 26	1,601 28	5,366 54
1,057.23	.....	457	.....	1,290	70	.....	.....	.....	334 84	707 77	1,042 61
.....	.....	920	.....	2,098	150	.....	.....	.....	.....	1,441 44	1,441 44
.....	.....	1,369	.....	3,330	904	.....	.....	42 50	.....	2,727 53	2,770 06
43,942.05	16,302.76	32,163	115,670	23,145.91	10,168	8,425	\$1,201 98	\$992 63	\$75,274 35	\$34,617 96	102,086 87

## ALLEYS PAVED DURING THE YEAR 1877.

ALLEYS PAVED AND BETWEEN WHAT STREETS.	NAMES OF CONTRACTORS.	MATERIAL.	Width Feet.	Length Feet.	Excavation, Cubic Yards.	Paving, Square Yards.	Crosswalks.		Assessments.	Intersections.	Total Cost.
							New.	Old.			
Between Jay street and Gratiot avenue, from the east curb line of Orleans street to the west line of Dequindre street.....	James McGonegal..	Cobble Stone.	20	221.88	373	705	90	.....	\$387 62	\$67 38	\$654 90
Between Labrosse street and Mich- igan avenue, from the east curb line of Fifth street to the north curb line of Labrosse street.....	James McGonegal..	" "	12	216.43	101	283	54	.....	\$14 76	44 54	269 30
Between Farmer street and Michigan Grand avenue, from the west curb line of Bates street to the west line of lots 43 and 73, section 6, Governor and Judges' Plan.....	Ledbetter & Stewart.	" "	20	192.78	335	418.26	90	.....	\$28 46	42 23	385 69
Between Jefferson avenue and Larned street, from the east curb line of Griswold street to the south curb line of Larned street.....	Ledbetter & Stewart.	" "	20	205	.....	363.66	90	90	73 41	41 77	115 18
				936.09	806	1,769.92	284	90	\$1,169 15	\$195 93	\$1,365 07

**NUMBER OF MILES OF PAVED STREETS AND ALLEYS,**

From 1849 to 1877 inclusive, and Cost of Same.

STREETS.			ALLEYS.		
Year.	Length, Feet.	Cost.	Year.	Length, Feet.	Cost.
1849.....	4,738.60	\$10,156 00	1849.....	420	\$420 00
1850.....	8,192.41	14,597 55	1850.....	652	1,229 39
1851.....	3,861	21,180 48	1851.....	180	427 85
1852.....	1,962.78	15,287 08	1852.....	412	913 86
1853.....	10,823	57,576 99	1853.....	.....	.....
1854.....	13,036	62,971 65	1854.....	1,018	2,943 73
1855.....	9,392	60,460 14	1855.....	3,716	9,857 79
1856.....	12,905.42	75,679 90	1856.....	1,754	4,674 14
1857.....	8,143	47,275 35	1857.....	300	369 75
1858.....	.....	.....	1858.....	413	908 71
1859.....	8,771	49,568 11	1859.....	424	243 74
1860.....	9,922	38,565 60	1860.....	479	974 12
1861.....	1,955	8,746 04	1861.....	500	229 20
1862.....	.....	.....	1862.....	.....	.....
1863.....	1,166	2,250 50	1863.....	350	1,237 46
1864.....	343	4,246 39	1864.....	1,043	6,714 84
1865.....	2,944	37,922 67	1865.....	528	3,067 83
1866.....	7,698	80,443 13	1866.....	240	1,482 52
1867.....	14,209	148,517 59	1867.....	2,558	5,856 65
1868.....	10,644	160,157 34	1868.....	1,758	3,351 99
1869.....	12,853	139,361 10	1869.....	1,727	8 501 01
1870.....	22 994	176,096 02	1870.....	3,621	6,713 66
1871.....	77,447	612,128 88	1871.....	4,811	19,913 06
1872.....	9,870	61,563 25	1872.....	2,437	8,114 26
1873.....	36,330	225,605 63	1873.....	5,900	25,041 44
1874.....	28,895	197,950 89	1874.....	3,475	20,057 89
1875.....	45,637.87	297,172 25	1875.....	925	2,274 45
1876.....	40,513	160,281 56	1876.....	2,902	9,333 82
1877.....	32,720.21	102,086 87	1877.....	936.00	1,365 07
	439,436.29	\$32,875,792 91		43,259.09	\$146,738 23

**Total Number of Miles of Paved Streets and Alleys and  
Cost of Same, from 1849 to 1877 Inclusive.**

	Miles.	Feet.	Cost.
Total number of miles of paved streets from 1849 to 1877 inclusive.....	81	4,756	.....
Total cost of paved streets from 1849 to 1877.....	....	....	\$3,875,793 91
Total number of miles of paved alleys from 1849 to 1877 inclusive.....	8	3,019	.....
Total cost of paved alleys from 1849 to 1877.....	...	....	146,788 23
	90	2,485	\$3,022,581 14

In preparing the above statement, the actual number of miles of paved and repaved streets is included, thereby showing a greater number of miles of paved streets than there really is; but by deducting the number of miles of repaved, it will be ascertained that, instead of 81 miles 4,756 feet of paved streets, the actual length is 68 68-100 miles.

## LATERAL SEWERS

Built During the Year 1877.

ALLEY—WHERE LOCATED.	NAMES OF CONTRACTORS.	Length, Lineal Feet.	Cost, per Foot.	Total Cost.
			Cts.	
In the alley between Maybury and Sullivan avenues, and Butternut street and alley north of Michigan avenue ..	August Zander.....	687	51	\$350 37
In the alley between Brigham and McLean streets, and Fourth and Crawford streets.....	Jeremiah Connor.....	451	57	257 07
From McDougall avenue through alley in block 46, McDougall Farm, thence along the north side of Heidelberg street to the west line of lot 40, subdivision of outlet 47, J. Campau Farm ..	A. & J. Dettloff.....	574	54	309 96
In the alley between Jay and German streets, and Dubois and Chene streets.	Ostrowski & Hildebrandt,	584	52	303 68
In the alley between Division and Alfred streets, and Orleans and Dequindre streets.....	Ostrowski & Hildebrandt,	153	52	79 56
In the alley between Foundry and Twenty-second streets, and Baker and Washington streets.....	Ferdinand Porath.....	629	58	364 82
In the alley between Watson and Calhoun streets, and St. Antoine and Beaubien streets .....	Ostrowski & Hildebrandt,	358	52	186 16
In the alley between Benton and Calhoun streets, and St. Antoine and Beaubien streets .....	Ostrowski & Hildebrandt,	476	55	261 80
In the alley between Detroit and Pierce streets, and St. Aubin avenue and Dequindre street.....	Ostrowski & Hildebrandt,	800	50	400 00
In the alley between Fulton and Charles streets, and Sixth and Seventh streets.	Ferdinand Porath.....	468	50	234 00
In the alley between Ontario and Leland streets, from a point fifteen feet east of east line of Moran Farm to Prospect street.....	Ostrowski & Hildebrandt,	398	51	202 98
In the alleys running east and west between McDougall, Elmwood, Clinton avenues and Macomb street.....	Charles Reinfeldt.....	643	64	411 52
On the south side of Harriet street, between Brush and Beaubien streets....	Ferdinand Porath.....	313	48	150 34
In the alley in the block bounded by Arndt (Michipicoten) and Berlin streets and Jos. Campau and Gratiot avenues.	Ostrowski & Hildebrandt,	515	51	262 65
In the alley in the block bounded by Heidelberg and Berlin streets, and J. Campau and McDougall avenues, (known as Copenhagen alley).....	Ostrowski & Hildebrandt,	639	54	345 00
In the alley between Williams and Tillman avenues, from Ash to Myrtle street.....	Ferdinand Porath.....	574	58	332 92

## LATERAL SEWERS—CONTINUED.

ALLEY—WHERE LOCATED.	NAMES OF CONTRACTORS.	Length, Lineal Feet.	Cost, per Foot.	Total Cost.
			Cts.	
In the alley running north and south between Maria and Fulton streets, and Seventh and Eighth streets, to connect with Seventh street sewer, through Irving street.....	Ostrowski & Hildebrandt,	729	52	\$379 08
In the alley in the block bounded by South and Seventh streets, and the first alley south of Buena Vista street, In the alley between Fifteenth and Sixteenth streets, and Breckenridge street and Grand River avenue .....	Ferdinand Porath.....	397	57	226 29
In the alley between Catherine and Sherman streets, from Dubois to Chene street.....	Ostrowski & Hildebrandt,	1,027	59	605 93
In the alley between Williams and Tillman avenues, and Myrtle and Magnolia streets.....	Ferdinand Porath.....	586	64	375 04
In the alley between Butternut and Elm streets, east of National avenue.....	M. & W. H. Henderson...	572	52	297 44
In the alley between Kentucky and Indiana streets, and Beaubien and St. Antoine streets .....	Ferdinand Porath.....	278	56	155 68
In the alley between Canfield avenue and Prentiss or New street, and Cass and Second avenues.....	Frank Elwart.....	707	55	388 85
In the alley between Canfield avenue and Prentiss or New street, and Second and Third avenues .....	Ostrowski & Hildebrandt,	843	59	497 37
In the alley between Fifteenth and Sixteenth streets, and Ash and Butternut streets.....	Ostrowski & Hildebrandt,	590	57	336 30
In Congress street, from a point twenty-five feet east of lot 44, Governor and Judges' plan, to connect with new sewer in Congress street.....	Ferdinand Porath.....	573	50	286 50
In the alley north of Marcy street, running east of Fifth street to Jones' Farm.....	Ferdinand Porath.....	262	60	157 20
In the alley between Fifteenth and Sixteenth streets, and Walnut and Butternut streets.....	Anton Dettloff.....	308	52	157 56
In the alley bounded by Fremont street on the south, Cass avenue on the west and Woodward avenue on the east....	Ferdinand Porath.....	271	52	140 92
In the alley between Foundry and Twenty-second streets, from Washington street north to a nameless street, In the alley between Fremont, Helen and Beaubien streets, and the easterly line of the Brush Farm.....	Ostrowski & Hildebrandt,	970	47	455 90
	Ferdinand Porath.....	543	52	282 36
	Anton Dettloff.....	242	55	133 10

## LATERAL SEWERS—CONTINUED.

ALLEY—WHERE LOCATED.	NAMES OF CONTRACTORS.	Length. Lineal Feet.	Cost, per Foot.	Total Cost.
			Cts.	
In the alley between Bronson and Division streets, and Hastings and St. Antoine streets.....	Jeremiah Connor.....	408	56	\$225 68
In the alley between Fremont and Georgia streets, and the east line of the Brush Farm and Beaubien street.	Anton Dettloff.....	280	50	115 00
In the alley between Pitcher and Fulton streets, and Fourth and Crawford streets.....	Jeremiah Connor.....	398	50	196 50
In the alley South of Fremont street, from the west line of the Brush Farm to John R street.....	Ostrowski & Hildebrandt,	604	59	356 86
In the alley between Fort street and Lafayette avenue, and Twenty-first and Twenty-second streets.....	Ostrowski & Hildebrandt,	878	56	491 68
In the alleys between Baker and Labrosse streets, and Twenty-second and Twenty-third streets, to extend in alley between Twenty-second and Twenty-third streets, south of Labrosse street, to south line of lot 23...	Ferdinand Porath.....	1,101	52	572 52
On the north side of Woodbridge street, between Orleans and Dequindre sts....	Ferdinand Porath.....	300	54	162 00
In the alley between Russell and Prospect streets, and Illinois and Indiana streets.....	John Wagner.....	512	49	250 98
In the alley east of Crawford street, between Noble street and the south line of lot 7, E. Connor's subdivision of Forsyth Farm, said sewer to run north and south.....	J. & A. Dettloff... ..	310	51	158 10
		21,886		\$11,856 97









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